

SMOKE SIGNALS

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A PROCLAMATION

WHEREAS, during times of national and state emergencies, amateur radio operators continue to provide communication resources which are provided at no cost to the Wisconsin taxpayers; and

WHEREAS, there continues to be a need for amateur radio operators to provide emergency communication capabilities as a backup resource during state and national emergencies; and,

WHEREAS, amateur radio clubs throughout the State of Wisconsin, provide radio courses of instruction, encourage and assist with grade school and high school programs about amateur radio, and in the process, enhance student interest in science, geography and physics, thus provide the opportunity to become a licensed amateur radio operator; and

WHEREAS, amateur radio operators inform the world about Wisconsin's great circus heritage including the Circus World Museum, the Great Circus Train, and the Great Circus Parade; and

WHEREAS, amateur radio operators, participating in SKYWARN, provide trained and radio equipped sever weather spotters to assist the National Weather Service and the State of Wisconsin; and

WHEREAS, amateur radio organizations such as the Radio Amateur Civil Emergency Services (RACES) and the Amateur Radio Emergency Services (ARES) are organized and trained to provide emergency communication support; and

WHEREAS, amateur radio operators test their capability to operate "in the field" using alternate power sources during the June annual Field Day;

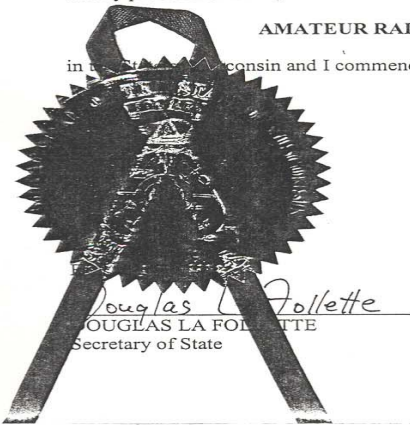
NOW, THEREFORE, I, Jim Doyle, Governor of the State of Wisconsin, do hereby proclaim June 28, 2003

AMATEUR RADIO OPERATOR RECOGNITION DAY

in the State of Wisconsin and I commend this observance to all citizens.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Wisconsin to be affixed. Done at the Capitol in the City of Madison this seventeenth day of March in the year two thousand three.

*Jim Doyle*  
JIM DOYLE



Getting Ready For Severe Weather

By Skip Voros-WD9HAS  
Executive Director,  
Milwaukee Area Skywarn Association

The 2003 severe weather season is rapidly approaching, and once again the National Weather Service (NWS) will request assistance from the Badger state's ham radio and repeater operators statewide for the SKYWARN program. Skywarn is the name of a nationwide NWS program developed in the late 1960's to promote the identification, evaluation, and reporting of dangerous weather. Today, Skywarn is associated with severe weather reporting by both ham and non ham volunteer communication groups alike.

Each year during early spring, meteorologists from the state's NWS offices, along with other educational groups, conduct storm spotter training programs for the public and emergency response personnel on the what, where, when, and why regarding severe weather observations and how to make reports. These spotter programs are always eagerly attended the hams interested in severe weather or in providing

public service activities for their club or community.

If you are a new licensee, a recent ARES/RACES appointee, or just want to participate in your club's weather nets, now is the time to attend the training programs as there can never be too many ham storm spotters. Even if you're a veteran ham you should attend a 'spring refresher' training program. Spotter training dates are listed on all NWS websites.

Amateur radio storm spotter reports are a critical and essential part of the NWS severe weather programs. This is because no amount of remote sensing gear (Doppler radar, satellite, smart weather networks) can take the place of a trained spotter offering real-time 'ground-truth' observations. Let me highlight again the most important aspect of what we provide: Real-time, ground-truth observations.

Our amateur community is ideal for gathering and reporting severe weather events because we already have in place an extensive network of voice and digital repeater systems. More importantly, a lengthy and proud history

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# WHAT'S HAPPENING

## Swapfests and Other Social Events — Club Meetings Amateur Radio Exam Schedules

Edited by Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage WI 53901 — [kenneth.ebnetter@verizon.net](mailto:kenneth.ebnetter@verizon.net)

### Swapfests And Other Social Events

April 4 and 5, 2003 AES Superfest.  
Amateur Electronic Supply, Milwaukee, WI.  
Web site: [www.aesham.com](http://www.aesham.com)

April 13, 2003, Stoughton, WI  
Madison Area Repeater Assn. (MARA)  
Swapfest. Mandt Community Center, 400  
Mandt Parkway, Stoughton WI. Doors open  
at 8 a.m. Sponsored by MARA/W9HSY, P.  
O. Box 8890, Madison WI 53708-8890. Info  
line: 608-245-8890 or Email  
[w9hsy@hotmail.com](mailto:w9hsy@hotmail.com). Website [www.qsl.net/  
mara/swap03/swap03.html](http://www.qsl.net/mara/swap03/swap03.html).

May 3, 2003, Cedarburg, WI  
25th Annual Amateur Radio and Com-  
puter Swapfest. Ozaukee Radio Club (ORC).  
Info: [www.qsl.net/orc/swap.html](http://www.qsl.net/orc/swap.html).

July 12, 2003, Oak Creek, WI  
South Milwaukee ARC Swapfest '03.  
American Legion Post 434, 9327 South  
Shepard Ave., Oak Creek, WI. For More Info  
e-mail: [ryatex@aol.com](mailto:ryatex@aol.com) or call 1-414-762-  
3235 and ask for Verne. Website  
[www.qsl.net/wa9txe](http://www.qsl.net/wa9txe).

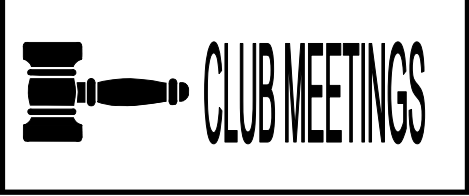
August 9, 2003, Baraboo, WI  
Seventh Annual Circus City Swapfest,  
Saturday, August 90, 2003, 7:00 am till Noon.  
Sauk Co. Fairgrounds, Baraboo, WI. Vendors,  
tailgate area, free parking, camping, VE test-  
ing. For info, contact: Steve, N9UDO, 608-  
356-2313 or [n9udo@yahoo.com](mailto:n9udo@yahoo.com). Website  
[www.qsl.net/ytarc/hamfest.htm](http://www.qsl.net/ytarc/hamfest.htm).

September 6, 2003, Eau Claire, WI  
Eau Claire Hamfest, Saturday Septem-  
ber 6, 2003, Eau Claire County Exposition  
Center. Same location as last six years. Doors  
Open 8:00 AM to 2:00 PM. Vendors: ARRL,  
Tower Electronics, Burghardt Amateur Cen-  
ter, QSL USA and many more! Door and  
Raffle Prizes. Admission \$5.00, Tables \$  
10.00. Tailgating - FREE with paid admis-  
sion. FREE COFFEE - The Coffee is always

Free at the Eau Claire Hamfest. If you can't  
find what you want at the Eau Claire Ham-  
fest, you probably didn't need it. Information:  
Jim Staatz KG9RA [KG9RA@charter.net](mailto:KG9RA@charter.net).  
Phone 715-838-9108. Web Page:  
[www.ecarc.org](http://www.ecarc.org).

September 2003, Peoria, IL  
Peoria Superfest 2003. Exposition Gar-  
dens Fairgrounds, 1601 W Northmoor Rd.,  
off 6300 N. University, Peoria, IL. Contact:  
Peoria Superfest, PO Box 3508, Peoria, IL  
61612-3508. InfoLine: (309) 692-3378. E-  
mail: [w9uvi@arrl.net](mailto:w9uvi@arrl.net) Website:  
[www.w9uvi.org](http://www.w9uvi.org).

September 27-28, 2003, Grayslake, IL  
Radio Expo 2003. September 2003,  
Lake County Fairgrounds, Rts 45 & 120,  
Grayslake, IL. Grounds Open from Thursday  
at noon. Flea Market open both days at 6 AM.  
Exhibit Buildings open Sat 8 AM to 4 PM,  
Sun 8 AM to 3 PM. The Chicago FM Club.  
Questions ??? Call Radio Expo 630-628-1501  
(Voice-Mail & FAX). [http://  
www.chicagofmclub.org](http://www.chicagofmclub.org).



Appleton  
FOX CITIES AMATEUR RADIO CLUB  
Meetings: Third Mondays, 7 p.m., Columbus  
Club, 2531 N. Richmond Street, Appleton, WI  
Information: Pat, K9IK, 920.725.1149. [Pla-  
tour428@aol.com](mailto:Platour428@aol.com) Web: [http://  
www.w9zl.ampr.org/](http://www.w9zl.ampr.org/).

Baraboo  
BADGERLAND AMATEUR TELEVISION  
SOCIETY (BATS) Check BATS Web page:  
<http://www.shopstop.net/BATS/>

Baraboo  
YELLOW THUNDER AMATEUR RADIO  
CLUB Meetings: See the YTARC column  
elsewhere in this issue for meeting times and  
locations. For further information: [http://  
www.qsl.net/ytarc](http://www.qsl.net/ytarc).

Dubuque, IA  
GREAT RIVER AMATEUR RADIO CLUB  
Meetings: First Monday of each month, 7 p.m.  
at the Red Cross Center, 2400 Asbury Road.  
The club serves the tri-state area. On the Web:  
<http://www.qsl.net/wb0lob/>. Information or  
questions to: [N0hdc@aol.com](mailto:N0hdc@aol.com).

Eau Claire  
EAU CLAIRE AMATEUR RADIO CLUB  
Meetings: 2nd Tuesday - 7 p.m., Eau Claire  
Parks & Recreation, 1300 First Ave., Eau  
Claire, WI 54703. All hams and guests wel-  
come. W9EAU repeater 146.91 MHz, tone  
110.9 Hz. Information: Jim Staatz, KG9RA,  
President, P.O. Box 1867, Eau Claire, WI  
54702-1867. Phone (715) 838-9108, Email  
[kg9ra@ecarc.org](mailto:kg9ra@ecarc.org). Web page: [http://  
www.ecarc.org](http://www.ecarc.org)

Fond du Lac  
FOND DU LAC AMATEUR RADIO CLUB  
Meetings: Second Monday at Moraine Park  
Technical College, Fond du Lac, WI. Time: 7  
p.m. Sunday net: 7:30 p.m. CDT, K9IA re-  
peater, 145.430 - PL 107.2 Information: Jack  
Heil, KG9IN, 920.922.1413. Email:  
[kg9in@fdlhams.org](mailto:kg9in@fdlhams.org) Web: [http://  
www.fdlhams.org](http://www.fdlhams.org).

Fort Atkinson  
TRI-COUNTY AMATEUR RADIO CLUB  
Thursday monthly except June to August, 7

## Badger State Smoke Signals

### *Amateur Radio Education and Information*

**CHAIRMAN/PUBLISHER:** Kenneth A. Eb-  
netter, K9EN, 822 Wauona Trail, Portage, WI  
53901. Telephone (608) 742-3560. e-mail to:  
[kenneth.ebnetter@verizon.net](mailto:kenneth.ebnetter@verizon.net)

#### EDITOR:

**TREASURER:** Kenneth A. Ebnetter, K9EN,  
822 Wauona Trail, Portage WI 53901.

**EDITORIAL BOARD:** Ken Ebnetter, K9EN;  
Don Evenson, K9JYX.

### Subscription Rate

1 year (6 issues—bi-monthly)\$13.95

A subscription form is in this issue. Special club  
package reduced rates are available. For infor-  
mation, contact Ken Ebnetter, K9EN.

### When to Send It

The closing date for each issue is the first of

the month before the issue date. For example,  
the closing date for the May issue is April 1.  
The only exception is for participating clubs'  
minutes. Participating clubs are requested to  
send their material no later than FIVE DAYS  
after the club's meeting. For example, if a club  
meets on the 4th of the month, the material  
should be sent no later than the 9th of that  
month. This material is to be sent to the Editor.

### Where to Send It

Address changes and corrections, and  
exchange papers should be sent to Ken Ebnetter.  
Editorial material, photographs, and fea-  
ture articles should be sent to Ken Ebnetter,  
K9EN.

Web page material should be sent to  
[n9qa@arrl.net](mailto:n9qa@arrl.net) (Dave Knaus, N9QA).

Inquiries about advertising should be  
directed to Ken Ebnetter.

Club, swapfest, and Test Point informa-  
tion should be sent to Ken Ebnetter.

**Swapfest ADS should be sent to Ken  
Ebnetter, K9EN no later than eight weeks  
before the events date.**

Subscriptions should be sent, with check  
or money order, to Ken Ebnetter.

### Conditions for Reprinting or BBS Post- ing Material from Badger State Smoke Signals

Permission is hereby granted to reprint articles  
or posting articles on radio or telephone bulletin  
boards from *Badger State Smoke Signals*, pro-  
viding credit is given to the original author,  
publication in which the article first appeared,  
and to *Badger State Smoke Signals*.

This newspaper is produced by volunteer radio  
amateurs, and is non-profit. This newspaper is  
mailed from Portage, WI 53901.

*Badger State Smoke Signals* is incorporated as a  
Wisconsin non-stock, non-for-profit organiza-  
tion.

### Editorial Disclaimer

The opinions expressed in editorials, guest edi-  
torials, columns, articles, and letters from read-  
ers are the opinions of the authors only, and do  
not, unless otherwise stated, express or imply  
endorsement by *Badger State Smoke Signals*, or  
by any other individual or organization.



p.m., at Dwight Foster Public Library in Fort Atkinson. ARES Net each Wednesday evening at 8 and club net Monday evenings at 8 on 145.49 repeater. Contact: Glenn Eisenbrandt, WA9VYL, 920.563.6502, or John Satterlee, WA9SAB, 920.563.6381.

Grafton  
Ozaukee Radio Club (ORC) Second Wednesday of each month at 7:30 p.m. Grafton Multipurpose Senior Center, 1665 7th. Ave., Grafton, Wisconsin [www.qsl.net/orc/](http://www.qsl.net/orc/).

Green Bay  
GREEN BAY MIKE AND KEY CLUB Meetings: Second Thursdays, 7:30 p.m., Media Services area of J. M. Science Building at St. Norbert College in DePere. Information: Kevin at [kb9sne@yahoo.com](mailto:kb9sne@yahoo.com).

Green Lake  
GREEN FOX AMATEUR RADIO CLUB Greater Green Lake County area. Meetings: Third Mondays, 7:30 p.m., Green Lake Town Hall, intersection of County Highways K and N.

Hudson  
St. CROIX VALLEY RADIO AMATEURS Meetings: Third Tuesdays, St. Croix County Emergency Government Center, Carmichael Road, Hudson. Short business meeting at 7:30 p.m. followed by program. Talkin: 145.13 MHz. All are welcome!

Juneau  
ROCK RIVER RADIO CLUB Meetings: First Tuesdays, 7:30 p.m., Dodge County Administration Building, 127 East Oak Street, Juneau, WI. ARES Nets: 146.64 (-600) Mondays, 7:30 p.m., Saturdays, 7277 KHz, 10:30 a.m.

Madison  
SPACE PLACE AMATEUR RADIO CENTER No meetings. Located on U.W.-Madison campus. Guest operators are welcome to operate the U.W. Space Place Amateur Radio Station, N9UW. Information: Don Michalski, W9IXG, President, (608) 263-4685. Email: [n9uw@sal.wisc.edu](mailto:n9uw@sal.wisc.edu).

Madison  
BADGER AMATEUR RADIO SOCIETY University of Wisconsin - Madison/W9YT Meetings: Third Mondays at 7:00 p.m. in UW Union South. Room number posted on the Today in The Union board. Information: Don Michalski, W9IXG, (608) 263-4685. Email: [w9ixg@arrl.org](mailto:w9ixg@arrl.org). Web: <http://www.qsl.net/w9yt>.

Madison  
Madison DX Club, meetings are on every fourth Tuesday of each month; see <http://madisondxclub> for more details.

Madison  
FOUR LAKES AMATEUR RADIO CLUB Meetings: Third Tuesdays, 7:30 p.m., Red Cross Building, 4860 Sheboygan Avenue, Room C, downstairs. First building west of Hill Farms State Office Building.

Manitowoc  
MANITOWOC COUNTY RADIO AMATEURS (ManCoRad) Second Wednesday of each month. Club board meets at 6:30 p.m., and Regular meeting is at 7:30 p.m., at 1105

Fleetwood Drive, 2nd floor (Old County Shop building on northwest side of city.) Additional information: Fred Neuenfeldt, W6BSF, (920) 682-9312. Email: [fredw6bsf@lakefield.net](mailto:fredw6bsf@lakefield.net).

Marinette WI  
Menominee M  
Amateur Radio Club Meetings held second Thursday 7:00PM each month BAMC Tenth Avenue Menominee Michigan in the basement. Guests welcome e-mail secretary [kg9ad@arrl.net](mailto:kg9ad@arrl.net)

Medford  
TAYLOR COUNTY AREA AMATEUR RADIO CLUB (TCAARC) Meetings: Usually first Thursday, 7 p.m. sharp. Usual location: Emergency Government meeting room/Red Cross Office, basement of Sheriff's Annex to Taylor County Courthouse, 2nd and Ogden Streets, Medford. Talkin: 147.15 (+600) MHz. Amateurs and guests are welcome. ARES Net: Wednesdays, 8:30 p.m., 147.15 (+600) repeater. Information: Mike Schoenfuss, N9GHZ, P.O. Box 401, Abbotsford, WI 54405. Phone: (715) 223-3996.

Menomonee Falls  
FALLS AMATEUR RADIO CLUB, INC. Meetings: Last Wednesdays at Bank One building in Germantown. Doors open 7 p.m. Meeting time: 7:30 p.m. Guests are welcome!

Menomonie MI  
Saturday coffee at Burger King, 544 Main Street, at 9 a.m. Social hour on 4th Tuesdays at 7:00 p.m. at the Depot, 2616 Hills Court, north of Walmart on highway 25 North, in January, March, April, and September through November. Guests welcome!

Milwaukee  
GREATER MILWAUKEE DX ASSOCIATION Meetings: Fourth Monday of month, 7:30 p.m. Contact any GMDXA member, or Gary Schwartz, K9GS, (262) 363-4439. Email: [garyk9gs@arrl.net](mailto:garyk9gs@arrl.net).

Milwaukee  
MILWAUKEE RADIO AMATEURS CLUB Meetings: Last Thursdays, 7:00 p.m. Redemption Lutheran Church, 4057 North Mayfair Road, Wauwatosa, WI. Mailing address: P.O. Box 070695, Milwaukee, WI 53207. Web: <http://www.qsl.net/mrac>. Email: [w9rh@arrl.net](mailto:w9rh@arrl.net).

Monomonie  
RED CEDAR REPEATER ASSOCIATION, INC. Saturday coffee at Hardee's in North Monomonie, corner of Highways 12 and 25 at 9 a.m. Social hour on 4th Tuesdays at 7:30 p.m. at the Peppermill Too, 1414 9th Street in the L-Mart Shopping Center in January, March, April, and September through November. Guests welcome!

Northeast Area  
NORTHEAST WISCONSIN DX ASSOCIATION Meetings quarterly: April 28, Marinette; August 25, Fox Valley; November 10, Green Bay. For specific information about meetings, check <http://home.new.rr.com/newdxa/>. Contact us at [w9dxa@arrl.net](mailto:w9dxa@arrl.net).

Oak Creek  
SOUTH MILWAUKEE AMATEUR RADIO CLUB Meetings: First Wednesdays, Legion

Post 434, Shepard Ave., Oak Creek, WI. Auctions in March and October. Swapfest July 6, 2002.

Onalaska  
RIVERLAND AMATEUR RADIO CLUB Meetings: First Tuesdays, 7 p.m., Onalaska Community Center. More information: <http://www.qsl.net/wr9arc/>. Email: [wr9arc@qsl.net](mailto:wr9arc@qsl.net).

Oshkosh  
RADIO AMATEURS OF WISCONSIN (R.A.W.) Meetings: Third Saturday monthly, locations vary. R.A.W. is a family oriented club. Most of its meetings revolve around family doings and outings. We are always looking for good people to join us. If you are a ham or interested in ham radio, contact Mark Miller, N9WT, (920) 231-1662, or Duane Ritschke, W9UDX, (920) 233-1684.

QCWA Chapter 162  
QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) Southeastern Wisconsin Chapter 162. Meetings: Third Monday in January, March, May, July, September, and November, 7:30 p.m., usually at Meadows Restaurant, Franksville, WI. Social events: Third Sundays in February, April, June, August, and October. Christmas party: Usually second or third Sunday in December.

QCWA Chapter 55  
QUARTER CENTURY WIRELESS ASSOCIATION (QCWA) Wisconsin Chapter 55 meets the first Saturday of June and October. For information about Chapter 55, contact Ron Yokes, W9BCK, Secretary, 612 N. Pt Washington Road, Grafton, WI 53024-9703. (262) 375-1774. [mailto:rryokes@execpc.com](mailto:mailto:rryokes@execpc.com).

Racine  
LAKESHORE REPEATER ASSOCIATION Meetings: Last Tuesday, January, April, July, October. New meeting location to be announced.

Racine  
RACINE MEGACYCLE CLUB Meetings: Second Mondays, 7:30 p.m., New meeting location to be announced.

Rhineland  
NORTHWOODS AMATEUR RADIO CLUB Meetings: Third Tuesday of Sept., Nov., Dec., Feb., and April for dinner business meetings at Ella's Restaurant, Jct. of Hwy. 51 and 70, north side of Woodruff, WI. Talkin on Sayner or Tomahawk repeaters. The Northwoods ARC News is on the club web site. <http://www.freeyellow.com/members7/nwarc>.

Sheboygan  
SHEBOYGAN COUNTY AMATEUR RADIO CLUB Meetings: Second Tuesdays. 7 p.m., Sheboygan County Red Cross/Boy Scout Building, 2032 Erie Avenue.

Shell Lake  
NORTHLAND AMATEUR RADIO CLUB Meetings: First Tuesday at the Shell Lake United Methodist Church, Reinhart Drive, Shell Lake, WI. Meeting time: 7 p.m. More information: <http://home.centurytel.net/NorthlandARC/>.

Stevens Point  
CWRA Ltd./UWSP ARC Meetings second

Wednesday of each month at 7:30 pm. Science Building on the UW-Stevens Point Campus, Room A107, Stevens Point, WI. Email: [jglas776@uwsp.edu](mailto:jglas776@uwsp.edu). Webpage: [www.qsl.net/wb9qfw](http://www.qsl.net/wb9qfw).  
Superior  
ARROWHEAD AMATEUR RADIO CLUB, INC. Meetings: Second Tuesday at WITC Conference Center, 600 N. 21st St., Superior, WI. Time: 7:30 p.m. Board meetings held before regular meetings.

W.A.R. WISCONSIN ASSOCIATION OF REPEATERS  
Quarterly meetings of the Wisconsin Association of Repeaters are held at various locations around the State on the second Saturdays of March, June, September and December. Check the WAR web page for meeting announcements and repeater coordination info. Information: <http://www.wi-repeaters.org>.

Watertown  
WATERTOWN AMATEUR RADIO CLUB Meetings: First Thursdays of month, 7 p.m., Watertown Public Library, 100 South Water Street.

Waupaca  
WAUPACA AMATEUR RADIO CLUB CQ First Tue. Social gathering and Dutch treat luncheon, King's Table, King, WI, on Highway QQ, just south of Highways 10 and 54, west side of Waupaca. Gather at 11 to 11:30. Order at noon. Club business transacted. CQ Third Fri. Social gathering and Dutch treat dinner. Semi-formal, OM and XYL, at one of the better supper clubs in the area. Check: Waupaca 147.39 nets at 8 a.m. or 8:50 p.m. for month's meeting location.

Wausau  
WISCONSIN VALLEY RADIO ASSOCIATION Meetings: First Tuesdays, 7:30 p.m. Location varies. Information: 146.64 (-600). <http://home.dwave.net/~wvra/>.

West Allis  
West Allis Radio Amateur Club Second Tuesday of each month at 7:30 p.m. St. Peter's Episcopal Church, 80th and Lincoln Ave., West Allis. Meetings in basement. Entrance at rear, off alley. Handicapped accessible. [www.warac.org](http://www.warac.org).

West Bend  
WASHINGTON COUNTY AMATEUR RADIO CLUB Meetings: Second Thursdays, 7:30 p.m., Washington County Courthouse. Net: Thursdays, 7:30 p.m., 146.73 (-600).

Wisconsin Rapids  
WISCONSIN RAPIDS AMATEUR RADIO CLUB Meetings: Third Wednesdays, 7 p.m., Room 14 of Wood County Courthouse. Talkin: 146.79 (-600) for entry into the building.

The above listings are club meetings that have been reported to BSSS. If your listing is incorrect or you would like your club listed, contact Ken Ebnetter, K9EN at the address shown on page 2. We encourage you to join a club in your area, and to visit other clubs when you are traveling.

We cannot carry the full listing every issue of BSSS, so save this listing for your further use.

# Wisconsin Nets Association Ltd.

Dean R. `Herriges, KB9ROB, Secretary  
W370 S9590 Highway 67 • Eagle, WI 53119

## WISCONSIN NETS

Net	WNA	Freq.	UTC	CDT	Manager
BWN	YES	3985	1200	0600	W9RCW
BEN	YES	3985	1800	1200	KE9VU
WSBN	YES	3985	2330	1730	K9FHI
WNN	YES	3723	0000	1800	KB9ROB
WSSN	YES	3645	0030	1830	N9BDL
WIN/W	YES	3662	0100	1900	WB9ICH
WIN/L	YES	3662	0400	2200	W9UW
RCRA	NO	01/61	0130	1930	KA9OMC
(Mondays CST— Menomonie Area)					
Green Bay Area	NO	72/12	0345	2145	WB9NRK
ARES	NO	4.65/5.25	0300	2100	
(South East/South Central Wisconsin)					

### Wisconsin Section STM Report February 2003

FAQ #4 – What’s so special about CW nets?

I’m glad you asked. There’s growing popularity of the “original digital” mode, and some operators would like to know what the attraction is. All traffic nets are intended to facilitate the passing of radiograms into, out of, or within an area. All of our section nets are “directed,” that is, they have a net control who calls the shots. Each mode, however, has its own method of operation, its own shortcuts to make it more efficient. It’s those shortcuts that add a special charm to CW nets.

The best way to learn of the fun on CW is to listen to a net or two. The efficiency will be readily apparent. A lot is said in very few characters – although there may be a number of real characters on the nets. Here’s what you might hear on a Wisconsin CW net.

Nets begin with a call-up and move right to the business of establishing liaisons, listing and handling traffic, and taking check-ins. The NCS will start like this. CQ WNN CQ WISCONSIN NOVICE NET PART OF ARRL NTS AND WNA LTD QND (This is a directed net.) QNZ (Please zerobeat the net control.) QNN (Net control is) KB9ROB WNN DE KB9ROB QNI (Check in.) K.

Some nets will begin by asking for liaison stations - - QNA 9RN K means the NCS is standing by for the liaison to or from the Ninth Region Net. QNA SSB K means the NCS is listening for a representative of a sideband net.

For regular check-ins, a station will send a letter (Any letter is okay; we all have our favorites.) and the NCS will respond by sending the same letter (which means “go ahead”) Then the station might check in as follows. KB9ROB DE WA9ZTY GE DEAN QRU (I have no traf-

fic. Anything for me?) K If the station checking in has traffic, he’ll list it like this. KB9ROB DE WA9ZTY GE DEAN QTC MILWAUKEE 2 MADISON 1 K . A station can tell the NCS he will handle some listed traffic like this. DE W9YCV GE DEAN QRU QSP MILW K Then the NCS will get the traffic handlers together off frequency with a script like this.

NCS: ZTY (WA9ZTY?)

WA9ZTY: T (Yep)

NCS: YCV (W9YCV?)

W9YCV: T (Here I am)

NCS: U5 MKE 2 (QSY up 5 KHz and pass the two for Milwaukee.)

WA9ZTY: G (I’m going.)

W9YCV: G (I’m on my way.)

W9YCV, the receiving station, will move up about 5 KHz, pick the exact frequency, and call WA9ZTY. If both stations have full break-in (QSK), all the receiving station has to do is hit his key and the sender will repeat the last word and continue. When the traffic has been passed, both stations will listen a moment (in case someone else with traffic has been sent to join them) and then return to the net frequency and send their suffixes to let the NCS know they’re back.

When the net’s business is complete, the NCS sends: QNC (All net copy this.) QRU (We have no traffic listed.) QNX (You are excused from the net) QNF (The net is free.) 73 DE KB9ROB. It’s over quickly, and the participants have the special feeling they’ve done something very efficiently, sharing their skills and enjoying a special camaraderie. It’s great fun.

PSE QNI TU 73 – K9LGU

### WISCONSIN SECTION MONTHLY NET ACTIVITY SUMMARY FEBRUARY 2003

NET	QNI	QTC	QTR	SSNS	NM
BWN	1284	1517	2100	28	W9RCW
BEN	458	62	785	27	KE9VU
WSBN	644	60	936	28	K9FHI
WNN	211	19	316	26	KB9ROB
WSSN	287	27	351	28	WA9ZTY
WIN/E	261	62	298	27	WB9ICH
WIN/L	233	49	403	28	W9UW
WRACES	127	2	178	4	N6NKO
<b>totals</b>	<b>3505</b>	<b>1798</b>	<b>5367</b>	<b>196</b>	

### WISCONSIN SECTION STATION ACTIVITY SUMMARY FEBRUARY 2003

STATION	ORIG	RCVD	SENT	DLVD	TOTAL
K9JPS	0	412	33	440	845 – BPL
W9RCW	0	224	12	218	455 – BPL*
N9VE	0	201	35	195	431 – BPL*
K9GU	0	194	28	196	418 – BPL*
W9IHW	2	161	34	156	353 – BPL*
W9CBE	0	159	168	3	330
W9IHW-JAN	0	130	31	124	285 – BPL*
N9TVT	0	98	171	0	269
K9LGU	0	70	33	1	104
K9FHI	0	45	52	0	97
WA9ZTY	0	32	47	0	79
W9UW	0	48	27	2	77
AG9G	0	8	53	0	61
W9BHL	0	12	39	1	52
KE9VU	0	22	30	0	52
KG9B	0	10	41	0	51
KB9ROB	0	23	4	1	28
AA9BB	0	0	24	0	24
W9YCV	0	8	13	2	23
W9RSX	0	4	13	2	19
WB9ICH	0	15	2	0	17
K9UTQ	0	7	3	4	14
W9PVD	0	1	2	0	3
N6NKO-JAN	0	0	3	0	3
N6NKO	0	0	3	0	3

### P S H R SUMMARY FEBRUARY 2003

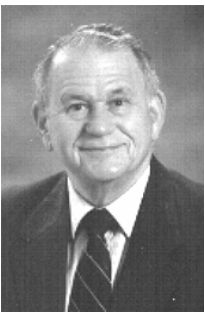
CALL	1	2	3	4	5	6	T
N9TVT	40	40	10	440	0	0	538
N9VE	40	40	30	310	0	0	420
K9JPS	40	40	10	130	0	0	220
AG9G	40	40	30	90	0	0	200
K9FHI	40	40	30	20	0	10	140
W9RCW	40	40	30	30	0	0	140
KG9B	29	40	20	40	0	10	139
K9LGU	40	40	20	5	0	0	105
KB9KEG	40	35	20	0	0	10	105
W9CBE	40	40	20	0	0	0	100
WA9ZTY	40	40	20	0	0	0	100
N6NKO	13	3	30	25	0	20	91
W9YCV	40	23	20	5	0	0	88
N6NKO-JAN							
	11	3	30	20	0	20	84
W9RSX	40	19	10	0	0	0	69

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# The Computer Corner

By Stan Kaplan, WB9RQR • 105 Martin Drive  
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No, this is not about your car. It is about, however, a minor catastrophe in the making concerning your computer. It happened to me yesterday, but fortunately, I had taken steps to make it fairly painless.

Inside every modern computer is a “wrist watch” – a small battery-powered clock. When you shut your computer off today, it will know what time and date it is tomorrow when you fire it up again, because the little wristwatch in its belly is ticking along, keeping track of the time and date. More important, the battery also powers a little bank of memory that, when you boot up, tells the computer several vital settings it should make. Those settings, contained in a memory cache called the CMOS Setup, are very important to the proper operation of the computer. The CMOS settings are changeable by the human user, and remain set that way until the human user alters them again, so long as the battery does not go dead. If it does go dead, the CMOS settings revert to a default condition which may not be at all optimal for your computer.

A few years ago, those settings held information on the number of cylinders, heads and sectors per track on the hard drive. When a battery went dead in those years, not only was the date and time wrong, but also all the data on the hard drive was inaccessible, and the machine would not boot from the hard drive! Fortunately, the CMOS setup designers and the hard drive designers got together and solved that problem. In all modern machines, the following conversation takes place between the computer and the hard drive, every time it is booted:

**Computer:** Is there a hard drive residing in my belly?

**Hard Drive:** Yes! I am here!

**Computer:** Who are you?

**Hard Drive:** A Maxtor Model 98196H8, and my operating parameters are ...

The computer then registers the data (actually more than what is suggested above – a total of 512 bytes of data, including even the unique serial number of the drive) in the CMOS memory, and booting is successful because the proper boot records can now be found on the hard drive. That happens today, even when the battery is dead. A Good Thing, indeed!

However, other things might not work properly. Just to mention a few: The second floppy drive, if present, may not be recognized. A PS/2 mouse may no longer work. The expensive VGA card you installed may not work (so the monitor will not work!). An Infrared port may not work. A USB port may not work. The machine may operate at only half speed. And so on.

That happened to me yesterday. My

secondary machine, an 800 MHz Pentium III, booted up with the wrong date, and claimed that it was a 400 MHz computer! I knew immediately that the CMOS battery was dead. I popped off the cover, removed the battery, and measured its voltage. Sure enough, the #2032, 3-volt lithium cell (about the size of a quarter) measured 1.3 volts, way too low to maintain the CMOS data. I put in a new battery, closed up the machine and rebooted. Then I pressed the DEL key during boot to enter the CMOS setup.

Now what? I was in the CMOS setup, but what should I change? I had tweaked the machine’s CMOS settings two years ago until I had it working at peak performance, but what were all those settings I altered? Aha! After my past tweaking, I had printed out a copy of the CMOS settings. All I had to do was to pull that paper report out of the file in my desk, and compare the settings with what was shown on the screen. In about 5 minutes, I had my computer restored to peak performance, without having to go through a lengthy trial-and-error process all over again. At least a couple of weeks worth of trial-and-error tweaking were saved.

What about you? Even if you ordered your machine ready-built from Dell or Gateway, someone had to tweak those CMOS settings for optimal performance. Typically, the CMOS setting has a menu option that claims to “Load Best Performance Settings”, but I can assure you that this may not restore the machine so that it works properly. The answer is to print out the settings **NOW**, when everything is working properly, so that you can compare the settings in the future, as I was able to do. Here is how you can do that.

During the boot process, press the **DEL** (ete) key to enter the CMOS setup. The key for your particular machine may be different (**F10**, **ESC**(ape), or others), but it will either tell you on screen what the magic key is or it will be in your machine’s documentation manual. Once you do that, you will typically see about seven different sub-menus other than Load Optimal Settings or Load Best Performance Settings, or the like. Select the first one, typically **Standard CMOS Settings**. A screen will appear showing the settings for a number of different items. Make sure your printer is on. Press the **Print Screen** key. Nothing will happen, but typically your printer will start flashing an LED. Press the form feed button on the printer. The printing of the current screen should start. If your printer is a model that works only in Windows, you are out of luck. Manually record what you see, neatly, on paper. Yes, it is a pain to do it manually, but take my word for it, the effort is worth it.

Now select the second sub-menu, typically **Advanced Setup**. Again, go through the Print Screen sequence to copy what you see (or

record it manually). Repeat with the **Power Management**, **PCI Plug-n-Play**, **Features**, **CPU Plug-n-Play**, and whatever other menus you find. Do it in screen order, and staple the sheets together in that order. When all done, press the **ESC** key or whatever lets you **Exit Without Saving**. You don’t really want to alter the setup since your purpose here is focused on documenting what is now working fine.

That’s all there is to it. If you have a good printer that recorded the screens, your first sheet will even have the date and time on

it, so you need record nothing more. Now you have a way to get back to normal, even when the battery goes dead. *It will, you know!* Somewhere between one and three or four years from the time it was installed, depending upon its capacity. I have had lithium coin cells go flat in under a year. That is how I learned to do this, so that I would not have to tear out my (remaining) hair while spending weeks re-tweaking my computer! Now, you know how to do it, too.

Happy computing!  
Stan Kaplan, WB9RQR

## Worked All Wisconsin Counties Certificate Number 3



One of the pleasures of being WAWC Chairman for the West Allis RAC, is being able to award one of our Worked All Wisconsin Counties (WAWC) certificates. It is even better if the recipient is a "local" ham, as I can travel to their QTH to make the award in person. Our recipient of WAWC Certificate #3 is a local ham, Al Algiers, W9HR, of Kenosha. Al lives just off of Highway 50, in northwestern Kenosha. I turn the corner, looking for a big antenna, and I see none. All I see is what looks like a 2M vertical antenna on top of the TV antenna on a small tower in the back yard. I know Al has worked all 72 Wisconsin counties, so he must have some sort of HF antenna, but I do not see one. The address is correct, so I pull into the driveway. Almost immediately I see Al opening the door for me.

After meeting Mamie, Al's wife of almost 50 years, we proceeded to his shack. The shack is in a room just off the kitchen. Al has a very neat shack, as you can see from the picture I took after the presentation. His main interest is CW, although he does have a 2M unit. Al even has two paddles. I inquire about the lack of an antenna and I am informed that he really has 3 of them - a 10 thru 40 meter vertical, mounted just off the ground in the rear NW corner of his lot, and two attic antennas, a 20 meter dipole

and a G5RV. Al runs 75 watts using an Icom 746. When he turned the rig on, it was sitting on 14.056, which I would have expected for a CW op.

After some pictures, Al tells me he was first licensed as W9DTE, from 1940 until 1969, when he got his present call. W9HR was selected for him when he applied for an amateur extra call sign. He has worked 246 countries in his DXCC efforts. I get to see the latest batch of cards he got from the bureau. He is also a county hunter, working toward the 3077 total. Al has 142 more to go, having contacted 2935 so far. I even learn that our WAWC #2 recipient KOEVE has helped Al a lot in his quest for the 3077 total.

Mamie invites me to sit a spell, have some snacks and chat. I learn that Al is an associate member of the Lakeshore Repeater Association, a Life Member of the National QCWA, Trustee of the Wisconsin Southeast QCWA Chapter 162, and Life Member of ARRL. They do not attend many hamfests any more but they do stay active in local breakfast meetings. Mamie never got an interest in being a ham.

I thank the Algiers for their hospitality and a very enjoyable visit with two fine people.

Lynn Tambllyn, K9KR

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## Mancorad Radio Club

Theresa Hartlaub, KB9KXE  
Secretary

P.O. Box 294 • Manitowoc, WI  
54221-0204



### 2-Meter Repeater: 146.01 Input/146.61

#### March 2003

The March 12th meeting of the Mancorad Radio Club was opened at 7:30 with Tom (KB9GRC) leading us in the pledge of allegiance. Thank you Tom.

The past months minutes were summarized and approved with motions by Red (N9GHE) and Dan (N9FVZ). Also Dick (N9QFY) gave the treasurers report which was also approved with motions by Ralf (N9AWG) and Bill (K9DUX).

President Fred (W6BSF) reminded everyone of the Cobia event coming up April 26-27. Set up is on Friday afternoon. Everyone is encouraged to help. Tom A. will be there to help run the WWII transmitter and receiver. This is also the grand opening for the museum addition. So, big crowds are expected. If you can help, contact Fred so your name can be added to the list for the front desk. The Sheboygan club has been invited to participate. A new QSL card is being designed for the event. Anyone who has extra tubes taking up space can donate them to the museum for use on the Cobia. They will be tested and categorized by the museum. Fred has a list that is needed.

The annual weather spotter class will be held on March 25th at the Sheriffs dept., 6:30 using the 9th street entrance. Fred has received the 1st web edition of the Badger Smoke Signals. The paper edition should be out shortly.

Ron Shimek has declined the honorary life member status the club had offered him. He has also donated to the club side arms for the 61 antennae, along with cable and a fan. Thank you Ron for all you do for the club. All members are encouraged to thank Ron if you talk to him.

Glenn DeBaker is asking for some help in May in dropping his tower and antennae and checking all the equipment out. Please contact Fred if you can help.

John (NZ9Z) had a thank you from the Salvation Army for the bell ringing we did at Christmas. The club raised \$195.38. Thank you to all you participated is this worthy event.

We had a short presentation video on

ARRL hosted by Walter Cronkite. More to come in future meetings.

We had a very special guest tonight. Victor (4SFVK) from Sri Lanka was here with John (NZ9Z). They have been friends for many years and our club has been instrumental in helping the Sri Lanka Club over the years. Victor had a slide show of the club and their shack at the boys school where he works. A huge thank you to Victor for coming and taking time to give us this presentation. Vern (KB9EME) won the attendance prize of 5.00. The pot goes back to \$5.00.

Meeting adjourned at 8:50. Lunch was served. Our next meeting will be April 9th at 7:30 at the club shack. All are welcome.

Respectively submitted  
Theresa (KB9KXE), Secretary

Meeting Attendance:  
KB9KXE Theresa  
KB9INK Bob  
N9QFY Dick  
Fred  
KA9WYK Carl  
N9FVZ Dan  
N9GHE Red  
KB9YRC Travis  
KB9GOY Mary  
N4WGK Denise  
W9NPX Roger  
K9WIX Clancy  
KB9NTL Don  
W9OUT Hub  
4SFVK Victor guest  
KW19EL Sheryl guest  
NZ9Z John  
K9HAG Ken  
KB9KXF Gene  
KA9SCY Charlene  
KA9SCX Francis  
N9AWG Ralf  
N9VIA Oran  
WB9VTM Lyle  
KB9GRC Tom  
N9NCU Dan  
N9QFO Len  
KC9CDW Gary  
K9DUX Bill  
KB9EME Vern  
N9XEZ Bill

## Wisconsin Valley Radio Association

Jerry Graebel - W9GLG

P.O. Box 363 • Wausau, WI

#### March 2003

Program: The members discussed the Wisconsin QSO Party rules and some of the clubs past participation. Michael, KB9VBR will host the club call of W9SM at his home at 1228 Arthur St. in Wausau. There will be two transmitters set up for HF use. This will be operated under an Extra class control operator so any club member can operate on the HF bands. The station will be open to all members for the QSO Party.

The members also saw the video "Amateur Radio Today".

Meeting Minutes of March 4, 2003 at Marshfield Clinic - Wausau Center.

President Mark Rasmussen called meeting to order at 7:35 P.M.

Present: N9MEA, N9NMH, WA9NBC, KB9DED, N9MO, KC9ASL, KB9STB, N9UAG, N9NRA, N9PHC, N9NRC, N3FDE, KB9ZOF, W9PBB, K9YF, KC9BSK, K9QM, K9DB, WB2TLQ, KB9YDP, KC9AEJ, W9GLG, KB9VBR, KC9BFW, WD0BZL, WD9CPY, and one guest, Randy Feola.

Treasurer's Report:  
Motion to accept: KB9STB S e c -  
ond: N9NRA

Secretary's Report:  
Minutes of the February 4, 2003 meeting were accepted as published in Badger State Smoke Signals and/or posted on the WVRA Web Site. home.dwave.net/~wvra

Old Business:  
1. Jon, KC9AEJ thanked all the net control operators for their help over the last year. He also informed the members that he would not be running for the board next year due to family expansion in the near future. One thing he would like is to add structure to the 75 meter net. It needs to have a format. If anyone has an idea please let him know.

2. There will not be a program for the next meeting. There will be in its place the presentation of the "Ham of the Year Award".

3. APRS committee will be setting up a meeting to find a new Chairman. Michael, KB9VBR holds that position now, but because of many other responsibilities he will be stepping down.

4. ARES - Myron, KB9STB reminded everyone about the Storm Spotter Training Class on Tuesday, March 11th at the American Legion at 6:30 p.m. There will be a talk-in on the 146.640 repeater if you need directions. This is a club function so, PLEASE, NO DRINKING. Well at least until the class is over. There will be tests and drills on both the 146.640 and 146.820 repeaters starting this week between 8 and 9 p.m. No need to respond unless asks to do so. There is a plan for a weather net drill on March 22nd.

5. Bill, WB2TLQ has the web page up and running. If you want to access it you may find it easier to try www.wvra.cjb. He also asked a few questions of the members to try and make the page even better.

6. Bill, WB2TLQ told the members that the presentation to the Tiger Cub Pack and the Girl Scouts went very well. The members setting up had a few problems but in the spirit of Amateur Radio, they still got the job done. There was one HF station, a UHF/VHF station and an APRS station on the air. There was also a hand on CW demonstration that most of the

children liked. There was a lot of knowledge gained from this demonstration to help in the future. Presentations will be Kid's Fest on April 5th at the Youth Building in Marathon Park in Wausau. It will run from 10 a.m. till 4 p.m. Bill reserved 2 tables for the club to set up. This is a hands on demonstration and will need as much help as we can get. Set up will begin about 8 a.m. If you can help, please contact Bill or Jerry, W9GLG. Chris, KC9BME is working to arrange for a demonstration to the 4H group leaders and then for the children. Jerry, W9GLG has approval from the Wausau White-water group for a special event on August 23rd and 24th. This will be for the Pan-Am games. Gary, WD9CPY suggested a satellite station and will look into possibilities for the demonstrations.

7. The MS walk will be held on Sunday May 4th. Michael, KB9VBR had forms, from Jack, N9LIA to be filled out for those who could volunteer.

8. The Grant Committee did not meet in February due to one member being ill. The will meet in March. Mike, KB9DED may have a lead on a 10X30 foot construction trailer for club use. More information will come later.

New Business:  
1. Myron, KB9STB has filled out the correct paper work and the WVRA is on the list at Pick & Save. If you shop there please stop at the service desk and change your card to #942660.

2. There will be a Technician class on March 29th and 30th at the American Legion in Wausau. A testing session will follow the end of the class on Sunday at 1 p.m. For more information contact Myron, KB9STB or Jerry, W9GLG.

3. There will be testing sessions in Tomahawk on March 29th at 8:30 a.m. and in Marshfield, before the club meeting, on April 6th.

4. Dues of \$25 are due in April. Election of the Board of Directors will also be in April. You must be a paid member to vote or hold an office.

5. ID badges will be printed at the May meeting for members.

6. Rich, N9MO asked if anyone was interested in another Fox Hunt. Lee, N9LO is planning for one in Marshfield on the 3rd Saturday of April or May. Please let Lee know if you are interested.

7. Paul, K9DB asked for info about the 146.640 repeater and the tower on Rib Mountain. Matt, N9NMH said that the club has sent a proposal to Midwest Communications to combine some of the repeater antennas with their antennas. The proposal also asked for room in that part of the building for the racks. There is no agreement yet. Matt will keep the members informed when something come up.

Meeting adjourned at 9:10 P.M KC9AEJ Second - KC9BFW

The next meeting will be Tuesday April 1, 2003 at 7:00 P.M. at the Marshfield Clinic - Wausau Center Cafeteria. (Formerly known as the Wausau Medical Center). Park and enter from the main parking lot at the main entrance on the East side of the building. Call in on 2-meter club repeater if you need directions: frequency is 146.640 (pl 114.8).

Respectfully submitted,  
Jerry Graebel - W9GLG, WVRA Secretary  
w9glg@arri.net)

Check us out on the web at  
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(Continued from page 1)  
of volunteerism, accompanied by established and disciplined radio operating procedures when all other communication systems are down. (Try making a cell phone call in your area after a weather disaster.)

The NWS has demonstrated its confidence in the emergency communications capability and organizational skills of amateur radio operators by signing a "Memorandum Of Understanding" a few years back, pledging mutual support and cooperation between the NWS and the ARRL. Today, amateur radio stations are present at all NWS offices nationwide.

April 7th to April 11th is Tornado and Severe Weather Awareness week in Wisconsin. During that week on April 10th a simulated statewide Tornado Watch and Warning will be issued at 1:15PM and 1:45PM respectively. This test is done to insure that all emergency responders are capable of receiving the weather warnings, then activating their personnel and response systems. Skywarn/weather net repeaters should also test their operations during this statewide drill since it provides us the same opportunities to evaluate our systems and personnel, plus educate newcomers to our functions during actual hazardous weather. The drill we be cancelled should there be threat of actual severe weather.

Severe weather is serious business; there is no room for egos or politics. This is a team effort and we must all learn to work together. The NWS is not interested in petty politics or club squabbles. Severe storm do not observe geo-political borders and neither should we. Lives could be at stake and seconds can make the difference.

Severe weather reporting can also be dangerous. Unless you have actually experienced a first-hand weather scare or had storm spotter training, you make not recognize the dangers facing you. If you need to think about

your safety then it is already an un-safe situation you are facing.

Your personal safety is thee absolute highest priority when doing when doing severe weather reporting. Think safety first, then accuracy, and speed of reporting. NEVER make any report unless it is safe to do so!

What do I report? The meteorological reporting criteria (tornadoes, funnels, large hail, damaging winds, etc.), are very similar through out the state, but there are minor differences from region to region. The exact reporting criteria are determined by each NWS office (Milwaukee/Sullivan, La Crosse, Green Bay, Minneapolis, Duluth) and the on-duty meteorologist during the active weather. The reporting procedures (how you format your report) are typically determined by the ham group working a NWS office. As always, first listen to the local net control station and determine what they are requesting.

And speaking of reports, a few points to remember that have been learned the hard way: Do not report 'hearsay' traffic from other frequencies, TV, scanners, or the internet. They are considered as second-hand sources. If you did not see the actual weather event, don't report it. Severe weather nets need 'First-Hand' observations only. If however, you observed a reportable event, but could not make a timely report when it happened, call the net with a delayed report and indicate so.

When passing wind speed or hail size reports, always indicate to the net if your report is an actual measurement or only an estimate. The NWS considers measured reports as more credible.

When describing your location, keep in mind that not everyone monitoring is familiar with your area. At a minimum location should be referenced against a county, its quadrant, nearest city, landmark, or major highway crossings. GPS (Lat & Long) data is not normally

used during severe weather events.

Before pushing the mic button it's a good idea to mentally compose and rehearse your report before passing it. This process provides correct on-air formatting and brevity. One bad sounding report can easily ruin the effort of 10 good sounding reports.

On-air remarks like: "The sky is very dark here, Its really coming down, We just lost power, The lightning is getting bad," are certainly not viable reports and should be discouraged by the Net Controller. However, these type of remarks indicate a certain amount of Stress, Excitement, and Tension (SET) is developing. This 'SET' effect can alter judgment and reporting accuracy. During these times the Net control station should impart some words to calm the net. SET can also create someone on-air ill will and harsh words. Remember we never criticize a station on the air. We politely correct them for obvious mistakes, this encourages new comers to follow the correct procedures and not push people away.

Although we are amateurs in name, we must strive to be professional in our presentations. Credibility is everything!! Bear in mind who is listening to your frequency. Severe weather (Skywarn) nets often attract huge audi-

ences. This includes the media, fire & police, scanner buffs, radio stores, and emergency managers. Listener ship increases because many people have learned (through our efforts) that they can often obtain first-hand weather information on the ham bands.

National Weather Service Doppler radars operate in the S-band of the microwave spectrum. Their parabolic antenna is 28 feet in diameter and focuses a 750,000 watt signal into a pencil thin beam of only .88 degrees. Yet for all this power and technology, they cannot see what's happening on or at ground level! However, with our puny 50 watts into a 5/8's vertical whip, or J-pole antenna, we hams who are always near ground level are in a perfect position to supply the NWS forecasters with the needed 'ground-truth' information.

In closing, look at the amateur radio severe weather process in another way: Each severe weather episode we respond to allows us the opportunity to test our operational readiness, emergency communication skills, and to justify our very existence on the sometimes shrinking ham bands. Our participation assists in providing community protection, all the way down to our friends, neighbors, and loved ones.

Energizer Bunny arrested; charged with battery.

Everyone has a photographic memory. Some of us don't have film.

Another headline.....Truckload of Viagra hijacked on the freeway.  
Police on the lookout for hardened criminals...

"There's never time to do it right, but there's always time to do it over."

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With regret, I am informing you that Chuck Humboldt, KC9BWS, 50, passed away unexpectedly. Chuck was the EC for Columbia County.

On February 4th, Mike Anuta, W8HKY celebrated his 102nd birthday. He is still active on the M&M ARC Sunday evening net, and is one of the oldest hams in the country. Both he and Marianne, who is 100 years old, reside at Rennes East in Peshtigo. Sherm, KB9Q, reported that the VHF/UHF FM Sprint was a resounding success! Hope this was just the first of many such events. 9RN report for February--Wisconsin represented in all 54 net sessions! Thanks go to the following stations for their participation in 9RN: W9CBE K9FHI WD9FLJ W9IBL KB9IME KB9KEG K9LGU W9PVD K9RTB W9SWL K9WVM.

Lynn Tamblyn, K9KR, WAWC chairman for WARAC presented the Worked All Wisconsin Counties (WAWC), certificate #3, to Al Algiers, W9HR. He, also, has 2935 counties to his quest of the 3077 total and 246 countries! Al accomplished all this with just a dipole, a vertical, a G5RV and 75 watts. Congratulations, Al! You are an inspiration to many amateurs that high achievements are possible with modest stations.

This is the beginning of severe weather. If you plan on being a severe weather spotter, we advise that you take courses that are available around the State. Is your club affiliated with the ARRL? If not, it is highly recommended that your club become affiliated. Requirements are

modest and the benefits are high. Check out this site: <http://www.arrl.org/FandES/field/club/> for details. If the president needs assistance, for instance, checking to see if the club has the required 51% ARRL membership, please contact me. I can help by checking your membership list against the ARRL database.

The MRAC reports that Rick Kissell, WB9GYT, and John Merkl, WB9PSE, donated an Icom 746 and antenna to Boy's Tech! Wonderful contribution! Thanks, guys! I hope that I meet many of you at the AES Superfest on April 4 & 5! 73, Don, W9IXG, [w9ixg@arrl.org](mailto:w9ixg@arrl.org) (608) 274-1886.

Here is the news from STM, Denny, K9LGU: There's growing popularity of the "original digital" mode, and some operators would like to know what the attraction is. All traffic nets are intended to facilitate the passing of radiograms into, out of, or within an area.

All of our section nets are "directed", that is, they have a net control who calls the shots. Each mode, however, has its own method of operation, its own shortcuts to make it more efficient. It's those shortcuts that add a special charm to CW nets. The best way to learn of the fun on CW is to listen to a net or two. The efficiency will be readily apparent. A lot is said in very few characters -- although there may be a number of real characters on the nets. It's over quickly, and the participants have the special feeling they've done something very efficiently, sharing their skills and enjoying a special camaraderie. It's fun.

PSE QNI TNX 73 -- K9LGU

Donald E. Michalski, W9IXG  
Section Manager:  
ARRL Wisconsin Section  
[w9ixg@arrl.org](mailto:w9ixg@arrl.org)

A FEW THOUGHTS TO MOVE  
YOU ALONG IN LIFE.

The only reliable rule of thumb is not to put it between the hammer and the nail!

I wonder how much deeper the ocean would be without sponges.

"Mit der Dummheit kaempfen die Goetter selbst vergebens."  
-- Friedrich von Schiller

(Against stupidity the Gods themselves fight in vain)

Save the whales. Collect the whole set.

Birthdays are good for you. The more you have, the longer you live.

"I know all the answers; I just can't remember which questions they go with."

If at first you don't succeed, then skydiving isn't for you.

A man with one watch knows what time it is, a man with two doesn't.

I just got lost in thought. It was unfamiliar territory.

A day without sunshine is, like, night.

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# The Test Point



## Amateur Radio Examination Locations and Schedules in the Area

April 05, 2003	Madison, WI
April 05, 2003	Racine, WI
April 05, 2003	St. Paul, MN
April 10, 2003	Apple Valley, MN
April 12, 2003	Blaine, MN
April 12, 2003	Oshkosh (Omro), WI
April 15, 2003	Eden Prairie, MN
April 16, 2003	Bloomington, MN
April 19, 2003	Milwaukee, WI (BE)
April 19, 2003	Loves Park, IL
April 19, 2003	Cottage Grove, MN
April 26, 2003	Milwaukee, WI
(MRAC)	
April 26, 2003	Tomahawk, WI
May 03, 2003	Madison, WI
May 03, 2003	Racine, WI
May 03, 2003	St. Paul, MN
May 08, 2003	Apple Valley, MN
May 10, 2003	Sheboygan, WI
May 10, 2003	Blaine, MN
May 10, 2003	Oshkosh (Omro), WI
May 17, 2003	Loves Park, IL
May 17, 2003	Cottage Grove, MN
May 20, 2003	Eden Prairie, MN
May 24, 2003	Bloomington, MN
May 31, 2003	Milwaukee, WI
(MRAC)	
May 31, 2003	Tomahawk, WI
June 07, 2003	Madison, WI
June 07, 2003	St. Paul, MN
June 12, 2003	Apple Valley, MN
June 14, 2003	Blaine, MN
June 14, 2003	Oshkosh (Omro), WI
June 17, 2003	Eden Prairie, MN
June 21, 2003	Loves Park, IL
June 21, 2003	Cottage Grove, MN
June 28, 2003	Bloomington, MN
June 28, 2003	Tomahawk, WI
July 15, 2003	Sheboygan, WI
September 13, 2003	Sheboygan, WI
November 01, 2003	Menomonie, WI
November 18, 2003	Sheboygan, WI
Monthly, 1st Sat.	Madison, WI
Monthly, 1st Sat.	Racine, WI
(except Jan., Jul., & Aug.)	
Monthly, 1st Sat.	St. Paul, MN
Monthly, 2nd Thu.	Apple Valley, MN
Monthly, 2nd Sat.	Blaine, MN
Monthly, 2nd Sat.	Oshkosh (Omro), WI
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Sat.	Milwaukee, WI (BE)
(September through April)	
Monthly, 3rd Sat.	Loves Park, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, 4th Sat.	Bloomington, MN
Monthly, Last Sat.	Milwaukee, WI
(MRAC)	
(except Mar., Jun., Aug., & Dec.)	
Monthly, Last Sat.	Tomahawk, WI
(January thru October only)	

GENERAL RULES FOR MOST EXAMINATIONS Be sure to check with sponsors before going to an examination session. There may be changes and/or errors in the dates or information given. Some examinations require filing an FCC or NCVEC Form 605

and advance registration at least 30 days before the exam date. Some VE teams permit walkins. Check with the sponsor. Many hamfests and swapfests offer examinations. A hamfest entrance fee should not be charged if you come only to attend the examination. To register in advance, you must get a copy of the current FCC Form 605, and fill it out completely and correctly. Got your form from the FCC as instructed below, or from the American Radio Relay League, 225 Main Street, Newington, CT 06111. Please send an SASE if you request a form from the League. FCC Field Offices seldom stock forms. You can also get a form from

<http://www.fcc.gov/formpage.html>  
or  
<ftp://ftp.fcc.gov/pub/Forms/Form605>.

A form by FAX is available at (202) 418-0177 (request Form 000605). The FCC Forms Distribution Center will accept orders at (800) 418-3676. Form 605 has a main form, plus a Schedule D with two parts (for Vanity and Physician's Certifications). Forms can also be obtained from the sponsoring group.

See QST, W1AW bulletins, or The ARRL Letter regarding any annual exam fee changes. ARRL/VEC no longer gives a free code test or Element 2. Test fees: The ARRL/VEC has set its 2003 test fee at \$12.00. FCC requires applicants to show their original amateur license or CSCE to the VE team. You must also have a good copy of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 605 and most VE teams need a copy for their records. One good CSCE copy is sufficient. You are also required to have a photo ID, or two other forms of ID. Contact the VE team for details.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Proof must be either in the form of a pre-3/21/87 license document or a "Letter of Verification of Technician License Held Prior to 1987" as requested in writing from the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. For those with internet access, a listing of exam sessions is available from:

<http://www.arrl.org/arrlvec/examsearch.phtml>

By checking this page, you can find registered VE sessions anywhere in the US and some overseas. You can search by country, state or zip code. The listing is not specific to any particular VEC. It is a master database. Thanks to Bart Jahnke, W9JJ, ARRL/VEC.

Please send me \_\_\_\_\_ Admission Tickets @ \$4 = \$ \_\_\_\_\_  
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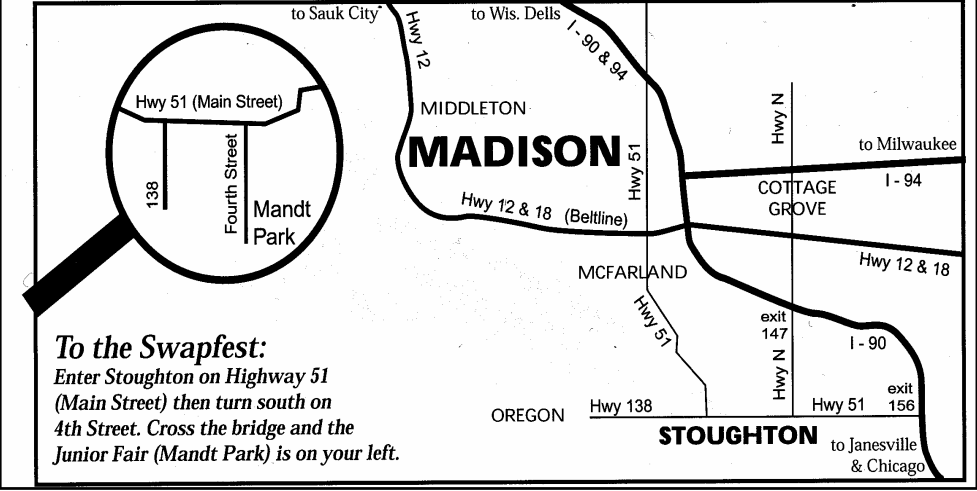
# ADVANCE REGISTRATION

Table reservation does not include admission ticket. Make your check payable to M.A.R.A. Send your check with this form and a #10 self-addressed stamped envelope to: MADISON AREA REPEATER ASSOCIATION, P.O. Box 8890, MADISON, WI 53708-8890 We must receive your check and s.a.s.e before March 28! We will send your tickets and table reservations by return mail.

# MADISON SWAPFEST

Sunday April 13, 2003

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## ELMER

by Rich Regent, K9GDF





# THE WISCONSIN PACKETEER

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**Allen Schnepf, N0GMJ, Treasurer**  
**Ogema, WI 54459**

**Andy Nemec, KB9ALN, Editor—453 Cottage Grove Avenue—Green Bay, WI 54304—e-mail: kb9aln@gbonline.com**

## WAPR News - April, 2003

By Andy Nemec, KB9ALN

Hello everyone, welcome to Spring. Let's hope we nature gives us a good one, without too much bad weather.

There's not too much new to report these days, but plenty coming down the pipe. There has been a lot of continuing discussion involving the newest packet mode - the WIFI 802.11b, and it will be sure to capture our attention in the coming months.

As you know, the Amateur Radio usage of this technology has been the focus of the ARRL High Speed Multi-Media Working Group (HSMMWG) and it's application has been nicknamed the "hinternet" (Ham Internet). I've written on this before, and I'm certain we'll be hearing more about it in the coming months.

One concern we will need to address is the combining of the existing network this new technology. Eventually, more people will invest in this new technology, and as that happens, we will be forced to consider this:

- 802.11b operates well over short distances
- 802.11b can be made to operate well over long distances with good engineering, but it's difficult.
- We have considerable experience making lower-speed digital networks operate over longer distances.
- Amateurs using 802.11b may want to extend their reach - making the existing network appealing to them.
- Our existing network has limited bandwidth and could easily be congested if improperly connected to high-speed networks.
- We will want to investigate this technology for use in our network.

Which means that WAPR will want to look into this technology, and develop policies for connecting the existing network with other amateur networks. Keep an eye out for more discussion on this in the coming months.

Which brings us to a related topic - are you experimenting with the "hinternet", and what are you doing with it? Want to share your experiences? We can certainly make room for a guest in this space. If you're interested in

filling us in on your experimentation, Please drop me a line at one of my addresses at the top of this page

That's all for this month. Until next time, 73 from Andy.

## Net/Rom Node Information

for the Sysop - Part 18  
by Andy Nemec, KB9ALN

In part 17 of our series, we continued our discussion of the basic concepts of TCP/IP operation. We discussed the different types of connections and how they affect our settings. This time out, we'll look at a specific TCP/IP nodestack configuration and tell you why we've configured things this way. We'll start with what we know about the network and what we'll need to know. All of the information presented here is not an actual operating node - this has all been made up for the purpose of example.

In this edition, we'll look at ARP settings. Next time, we'll look at routing.

### What We Need to Know

Here's a summary of what we'll need to know to configure the TCP/IP parts of the node:

- Call-Sign - IP address - Call-sign of neighboring nodes - IP addresses of neighbor nodes - IP addresses of nodes you'll use for routing - The network sub-nets of the neighboring nodes - The MTU of neighboring nodes - The IP addresses of stations you'll use as gateways

All of this information is entered into one of two places - the node's Arp table and the IP Routing table. These are "static"; meaning that they do not update themselves automatically.

This does not mean that you have to do a lot of work to keep this updated. Once basic routing is set, it stays that way. Exceptions come when special gatewaying and routing is involved. We'll cover that later.

### Our Example Parameters

In our example, we'll use what would normally be considered a "typical" node stack - one UHF backbone port and one VHF port. It's not too much more work to figure out what's needed for a multi-port node stack.

Here's our imaginary node setup:  
WX9APR-1 is a backbone node on UHF with an IP address of 44.92.75.1  
WX9APR-5

is a VHF LAN node with an IP address of 44.92.75.5

### Neighbor nodes:

WX9APR-7 is a backbone node to the north, with an IP address of 44.92.76.1

WX9APR-9 is a backbone node to the west with an IP address of 44.92.77.1

KB9ALN-1 is a backbone node to the southeast, with an IP address of 44.92.20.1. In addition, it provides routing to several other IP subnets.

After observing the traffic on the network, we have determined that all stations use an MTU of 196, and all nodes have compatible TXDelay and Persistence settings - they all talk well over conventional AX.25 and Net/Rom circuits. This is very important - nodes have to talk well with those modes before we can do IP with them. We'll also assume you have entered in the node's IP address with the IPA Sysop command.

### Setting MTU

MTU is entered in from the Sysop mode. Remember that you can use this command to enter data for both ports, and functions like the "Mode" command. Once you're "in", this would be typed on both the Backbone and LAN nodes:

MTU 196 196 196 600 600

This tells the nodes to set the MTU to 196 on both the radio and serial ports, and use an MTU of 196 on Net/Rom encapsulated IP, to issue an error message if the MTU is over 256 bytes, and to ignore IP packets with an MTU of more than 600.

Note the larger figure of 600. This is set to accommodate MSYS BBSs, which are preset to something like 400 for an MTU.

### ARP - Recognizing Other IP Nodes and Hosts

An ARP table is what the node uses to associate an IP address with a call-sign. Our node needs to know the call-signs of all of the IP stations it can reach by radio - even those that reside on another network.

One neighbor node that is reached directly by radio is easy. Here's how that is done, again from the Sysop mode:

ARP 44.92.76.1 + 0 AX25 WX9APR-7  
DG

This tells the node that IP address

44.92.76.1 is to be added to port 0 (the radio port), AX.25 is used as the transport protocol (rather than Net/Rom), the call-sign used to contact this address is WX9APR-7, and use DataGrams (rather than VC - Virtual Circuit) for connections.

Likewise, we can add other neighbor backbone nodes like this:

ARP 44.92.77.1 + 0 AX25 WX9APR-9  
DG

ARP 44.92.20.1 + 0 AX25 KB9ALN-1  
DG

This is easy enough. Now let's try to add the other node on the stack:

ARP 44.92.75.5 + 1 AX25 WX9APR-5  
DG

Again, our IP address of 44.92.75.5 is added on port 1 (the serial port), AX.25 is the basic protocol, WX9APR-5 is the call-sign associated with that address, and DataGrams are used to make contact.

### The LAN Node

So far we've been talking only about the backbone node configuration. We also will need to make a few entries into the ARP table of our LAN node. We'll at least want to enter in the backbone node. We'll also want to enter any stations on the LAN that will be using TCP/IP. Here's an example of the backbone node entry:

ARP 44.92.75.1 + 1 AX25 WX9APR-5  
DG

Now let's add an end-user TCP/IP station to the ARP table. It has an imaginary call-sign of WX9ABC, and it's accompanying IP address is 44.92.75.33. Here's what our ARP entry would look like:

ARP 44.92.75.33 + 0 AX25 WX9ABC  
DG

Notice that this station has no SSID. No problem, ARP looks at the call-sign as a string of numbers and letters, so a dash followed by a number is perfectly fine, so is one without.

### Hosts on Home Networks

From time to time, you'll encounter a slightly unusual situation - that of an IP host that is wire-connected to one that has a radio port. In this case, you "fudge" a little bit. Here's how.

You simply lie and tell the node that one

(Continued on page 11)





## Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call)  
K9ODK (Robert L. Prine Memorial Call)  
Club net: Sundays 8:00 p.m. on 147.315  
Lynn Loomis, KB9YOD Secretary



The March meeting was called to order at 7:15 p.m. by club President Steve Schulze, N9UDO. The meeting was held in the EOC Meeting Room at the Sauk Co. Court House. The Treasurer's report read by club president Steve Schulze, N9UDO, and accepted by members. Club account balance stands at \$2264.03. February minutes were discussed and corrections were provided for email addresses that were returning as undeliverable. Minutes were then approved as published via e-mail, motion by Maury, KA9TBU seconded by multiple members to accept.

### Old Business

**Fox Hunt**  
A fox hunt is planned for the May 7 meeting.  
**Packet Demonstration**  
A Packet demonstration will be given at conclusion of tonight's meeting.

### New Business

**New Members:** Steve, N9UDO reports that the club has two new members, Joseph Rowland, N9PRF and Manuel Mendoza, KC9DFI. Paul Maslowski, KA9WAM states he would like to become a member, and was provided with a membership form.  
**Tower Needed:** Bill Stehling, KC9CVD reports that CAP (Civil Air Patrol) is looking for a tower for a repeater. If any member has any information on a tower they are to contact Cliff Johnson, KC9CMC by phone at 643-8967 or via email - AFALIO@charter.net.  
**HAM Classes:** There is interest in having another HAM class for those interested in obtaining their Tech license. It was noted that the format used for the classes held last November worked well. There is a need, however, for persons to help teach the classes. It was reported that Cliff, KC9CMC will be setting up a time in May to hold the classes. Further discussion of upcoming HAM classes will continue at the next meeting or on the Sunday night NET. CAP will also be discussing the classes as well. There was also discussion of the club possibly purchasing a couple copies of "Now Your Talking" to have on hand.  
**Repeater Update:** Three weeks ago Steve, N9UDO, made adjustments to the voice and CW id'er. Both were turned down, and ran that way for two weeks. It was noted that they were turned down too much, and the courtesy tone was too quiet. Re adjustments were then made, and the id'ers are broadcasting at a more satisfactory level.  
**An announcement for the Thursday night Columbia Co. ARES/RACES Net** has been added to broadcast over the repeater on the day of their net. "Net mode" has also been set up to run during the net, i.e., the time out timer is turned off, and "net" is broadcast in CW.

Brad Pointon, KB9UMC, of Pointon Communications, and Dave, one of his technicians, put a scope on the repeater, and everything checks out like it should. Discussion followed.  
**Steve, N9UDO presented questions to the group:** Are there any suggestions or concerns related to the club net? None offered at this time. Any volunteers to be Net control? All present agreed that Steve, N9UDO was doing a fine job. Keep up the good work!  
**Swap Fests**  
Next weekend, March 16, is the Jefferson Swap Fest.  
The MARA swap fest is April 13, 2003. Bill, N9KXX has advanced early entry tickets available. Club members may purchase a ticket for \$5.00 each. Bill will have the tickets available at the April meeting. The MARA swap fest is held in Stoughton, WI at the Mandt Community Center. More information on these swap fests can be obtained by going to the Badger State Smoke Signals web site, or by following this link: <http://www.bsss.org/swapfest.htm>.  
The club will be having a table at the MARA swap fest. Anyone having anything for sale can use the club table, and are expected to help man the table. Put your name, call sign and a price on any objects you plan to sell.  
**Storm Spotter Classes**  
Storm Spotter classes are again being offered at various locations and times around the area. On Thursday, March 20, 2003 these classes will be offered in Baraboo at the West Square Building (in the basement) from 10-noon (basic class), 2-4 p.m. (advanced class), and 7-9 p.m. (basic class).  
The complete spotter training schedule can be found at this web address: <http://www.crh.noaa.gov/mkx/2003-spotter.htm>  
Also available on the web are storm spotting slide presentations.  
**Concepts of Storm Spotting I:**  
<http://www.crh.noaa.gov/mkx/slide-show/train1/index.html>.  
**Concepts of Storm Spotting II:**  
<http://www.crh.noaa.gov/mkx/slide-show/train2/index.html>  
**Dayton Hamvention** It has been reported that the Milwaukee Repeater Club is offering a bus trip to the Dayton Hamvention. The cost is \$70.50 per person and includes a round trip bus ride, motel room for one night and tickets to the Hamvention. More information and opportunity to sign up can be obtained at the Milwaukee Repeater Club home page - <http://www.mrc91.org/> - follow the link that says "Want to go to the Dayton Hamvention?"  
**Packet Node** There is a need for a new packet node in the area. The local ARES/RACES node has been taken off the air for a

different venture. There is still a need for a node, as those using packet are unable to connect to WEM. Steve, N9UDO has set up a temporary node at his place. YTARC is offering to set up a new packet node for ARES/RACES.  
There is a site available; though no details other than that the site is located in central Sauk Co. and is available at this time. The tower at the site is 70 feet high with a dual band antenna in place at 60 feet with cable. Proposed is a move of a Bill's repeater to the site, and use of a KPC3 TNC (needs an Eprompt chip for upgrade) that he is willing to donate for use. An RS-20 BB power supply will be used, and should be able to run a 25 watt repeater and packet station. A commercial grounding system is already in place.  
The club would need to purchase a radio, marine battery for back up, poly-phaser for lightening protection, a jumper, and miscellaneous small things that may be needed. Steve, N9UDO, has a cabinet available to place the equipment components into. Discussion followed, and a motion made by Tom, N9PQJ, for the club to provide up to \$400.00 to help fund the packet node project, motion seconded by Maury, KA9TBU, and passed by voice vote. It is hopeful that an update on the project will be available for report at the next meeting.  
Manuel, KC9DFI, reports that he has permission to put up a major radio station at St. Claire Hospital, and he is looking into including a packet station. Several questions were presented to the group concerning setup. Discussion followed. Considering the location of

life, this one won't hurt you. It's perfectly legitimate. In this instance, WX9ABC becomes responsible for delivering the packet to WX9ABC-1 through the home network.  
That is referred to as the process of "routing" packets to their final destination. This is a good point to break off our discussion until next time, when we'll cover setting IP routes in your nodes.

Until then, 73 from Andy.

send you the mail copy if you wish. The pdf file will be about 1 meg in size.  
If you want e-mail delivery, please send your e-mail address to me at:

kenneth.ebnetter@verizon.net

We hope that you enjoy this issue and we already have much material ready for the June issue.  
Looking forward to seeing many of you at the AES Superfest and upcoming hamfests.  
Ken Ebnetter, K9EN

We have completed another issue, and are now back on schedule.  
Those who are wondering when we will be sending out renewal notices to individuals and participating clubs, we will be working on that in April.  
We can now deliver BSSS via e-mail if you would like to receive your copy that way. We can e-mail you a Adobe pdf copy of BSSS when we send it to the printer. This will get you your copy 1 to 2 weeks before the snail mail copy. We will still

the hospital, there should be no problem with coverage, and reaching WEM.  
Information on packet radio can be found at the Wisconsin Amateur Packet Radio Association Home Page: <http://my.athenet.net/~kb9aln/wapr/>  
Wisconsin QSO Party  
The Wisconsin QSO Party is to be held on Sunday from noon to 7 p.m. Steve, N9UDO is planning on participating. You can find him at 446.000 or 146.550.  
Meeting adjourned at 8:30 p.m. with a packet demonstration following adjournment.

NEXT CLUB MEETING: APRIL 1, 2003 AT THE SAUK CO. EOC MEETING ROOM IN THE BASEMENT OF THE SAUK CO. COURT HOUSE, 510 BROADWAY, BARABOO -USE THE WEST (BROADWAY STREET) ENTRANCE.

Respectfully submitted, Lynn Loomis, KB9YOD YTARC Secretary.  
Yellow Thunder Amateur Radio Club Home Page:  
<<http://www.qsl.net/ytarc/>>

Members and Friends attending:

Steve Schulze	N9UDO	Baraboo
Maurey Gurgel	KA9TBU	Reedsburg
Paul Maslowski	KA9WAM	Baraboo
Thomas Harrison	N9PQJ	Reedsburg
Leonard Wagner	N9XJG	Baraboo
Bill Stehling	KC9CVD	Sauk City
Manuel Mendoza	KC9DFI	Baraboo
Lynn Loomis	KB9YOD	Reedsburg

## THE WISCONSIN PACKETEER



*(Continued from page 10)*  
IP address is associated with two different call-signs. Let's assume that WX9ABC has a home network with a few computers one it, among them WX9ABC-1. It's IP address is 44.92.75.34. Now here's our trick:  
ARP 44.92.75.34 + 0 AX25 WX9ABC DG  
  
We simply tell the node to think of WX9ABC-1 as WX9ABC. Unlike most lies in

### Publishers Notes:

Check us out on the web at  
[Http://www.bsss.org](http://www.bsss.org)



SWAPFESTS

<div><p>2002 WINNER Michael J. Haessler, KB9TG Waupaca, WI.</p></div> <div><p>32nd ANNUAL MIDWINTER <b>SWAPFEST</b> WAUKESHA EXPOSITION CENTER WAUKESHA, WISCONSIN SATURDAY JANUARY 2004</p><p>Both sponsored by: <b>THE WEST ALLIS RADIO AMATEUR CLUB, INC.</b> P. O. BOX 1072 • MILWAUKEE, WISCONSIN 53201</p></div>	<p><i>HAM IT UP EVERY SPRING!</i> <b>MADISON SWAPFEST</b> Mandt Community Center <i>APRIL 13, 2003</i> 400 Mandt Parkway Stoughton WI Doors open at 8 a.m. Sponsored by MARA/W9HSY P. O. Box 8890 Madison, WI 53708-8890 swapfest Information Line. (608) 245-8890</p>	<p><b>SOUTH MILWAUKEE AMATEUR RADIO CLUB</b> <b>SWAPFEST 03</b> JULY 12, 2003 (Held every July) <i>American Legion Park</i> <b>Shepard Avenue • Oak Creek, WI</b> (414) 762-3235 Ask for Verne P.O. Box 102 South Milwaukee, WI 53172 e-mail ryatex@aol.com</p>		
<p><b>SEWFARS SWAPFEST</b> HAM RADIOS • COMPUTERS • ELECTRONICS AMATEUR LICENSE EXAMS</p> <p>Setup starts at 6:00 A.M. For more information, call (414) 835-7035</p>	<p>The Chicago FM Club presents <b>RADIO EXPO 2002</b> September 27-28, 2003 Lake County Fairgrounds, Rts. 45 and 120 Grayslake, Illinois Free parking • Amateur Exams • Talkin 146.16/76 Info Voice mail and FAX: (708) 457-0966 <a href="http://www.chicagofmclub.org">http://www.chicagofmclub.org</a> P.O. Box 56784, Harwood Heights, IL 60656-0724</p>	<p>TRI-COUNTY ARC PRESENTS <b>HAMFEST 2004</b></p> <p>YOUR SPRING FAVORITE ! Tricountyarc@globaldialog.com TCARC 213 Frederick St (920) 563-6381 Fort Atkinson, WI 53538 Evenings</p>		
<div><p>NS9RC <i>Fest</i> formerly known as LAMARfest Lake County Fairgrounds, Grayslake, Illinois Radio, Electronic, Computer Swapfest <a href="http://www.ns9rc.org">www.ns9rc.org</a></p></div> <p>Grayslake, IL</p>	<p><b>Eau Claire Amateur Radio Club</b> <b>HAMFEST 2003</b> Saturday, April 19</p> <p>For Information Contact: Steve Bluem at (715)839-6509 ka9omy@arrl.net ECARC P.O. Box 1867, Eau Claire. WI 54702-1867</p>	<p>The Milwaukee Repeater Club presents <b>AMATEUR RADIO FEST 2003</b> November 1, 2003</p> <p>Waukesha County Expo Center Forum Buildings For more information, see: <a href="http://www.execpc.com/mrc">http://www.execpc.com/mrc</a> e-mail mrc@mrc91.org or call 1.608.367.3953</p>		
<p><b>Ozaukee Radio Club</b> <b>23rd ANNUAL RADIO AND COMPUTER SWAPFEST</b> May 5, 2003 8 a.m. to 1 p.m. • Circle B Recreation Center Intersection of Highway 60 and County I Exams by Badger Examiners, c/o Gary Sharbuno, 5119 W, Willow Rd., Brown Deer, WI 53222 Swapfest sponsored by the Ozaukee Radio Club W55 N865 Cedar Ridge Drive • Cedarburg WI 53012</p>	<p><b>Circus City Swapfest</b> Sponsored by the Yellow Thunder Amateur Radio Club Saturday, August 9, 2003 • 7 am—Noon Sauk County Fairgrounds • Baraboo, WI</p> <table><tr><td>Vendors • Concessions Camping • Free Parking Tail Gate Area</td><td>\$4.00 — Advanced \$5.00 — At Gate \$5.00 — 8 foot tables</td></tr></table> <p>Steve Schulze, N9UDO • Bill Klinkner, N9KXX (606) 356-2313 • (608) 643-6908/643-6453 <a href="http://www.qsl.net/ytarc/hamfest.htm">http://www.qsl.net/ytarc/hamfest.htm</a>,</p>	Vendors • Concessions Camping • Free Parking Tail Gate Area	\$4.00 — Advanced \$5.00 — At Gate \$5.00 — 8 foot tables	<p><b>SOUTH MILWAUKEE AMATEUR RADIO CLUB</b> <b>AUCTION</b> Amateur Radio, Computers &amp; Electronics</p> <p><i>American Legion Post 434</i> <b>Shepard Avenue • Oak Creek, WI</b> (414) 762-3235 Ask for Verne P.O. Box 102 South Milwaukee, WI 53172 e-mail: ryatex@aol.com</p>
Vendors • Concessions Camping • Free Parking Tail Gate Area	\$4.00 — Advanced \$5.00 — At Gate \$5.00 — 8 foot tables			

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# BADGER STATE SMOKE SIGNALS

## WEB EDITION — EXTRA PAGES

### The Test Point



#### Amateur Radio Examination Locations and Schedules in the Area

April 05, 2003	Madison, WI
April 05, 2003	Racine, WI
April 05, 2003	St. Paul, MN
April 10, 2003	Apple Valley, MN
April 12, 2003	Blaine, MN
April 12, 2003	Oshkosh (Omro), WI
April 15, 2003	Eden Prairie, MN
April 16, 2003	Bloomington, MN
April 19, 2003	Milwaukee, WI (BE)
April 19, 2003	Loves Park, IL
April 19, 2003	Cottage Grove, MN
April 26, 2003	Milwaukee, WI (MRAC)
April 26, 2003	Tomahawk, WI
May 03, 2003	Madison, WI
May 03, 2003	Racine, WI
May 03, 2003	St. Paul, MN
May 08, 2003	Apple Valley, MN
May 10, 2003	Sheboygan, WI
May 10, 2003	Blaine, MN
May 10, 2003	Oshkosh (Omro), WI
May 17, 2003	Loves Park, IL
May 17, 2003	Cottage Grove, MN
May 20, 2003	Eden Prairie, MN
May 24, 2003	Bloomington, MN
May 31, 2003	Milwaukee, WI (MRAC)
May 31, 2003	Tomahawk, WI
June 07, 2003	Madison, WI
June 07, 2003	St. Paul, MN
June 12, 2003	Apple Valley, MN
June 14, 2003	Blaine, MN
June 14, 2003	Oshkosh (Omro), WI
June 17, 2003	Eden Prairie, MN
June 21, 2003	Loves Park, IL
June 21, 2003	Cottage Grove, MN
June 28, 2003	Bloomington, MN
June 28, 2003	Tomahawk, WI
July 15, 2003	Sheboygan, WI
September 13, 2003	Sheboygan, WI
November 01, 2003	Menomonie, WI
November 18, 2003	Sheboygan, WI
Monthly, 1st Sat.	Madison, WI
Monthly, 1st Sat.	Racine, WI
(except Jan., Jul., & Aug.)	
Monthly, 1st Sat.	St. Paul, MN
Monthly, 2nd Thu.	Apple Valley, MN
Monthly, 2nd Sat.	Blaine, MN
Monthly, 2nd Sat.	Oshkosh (Omro), WI
Monthly, 3rd Tue.	Eden Prairie, MN
Monthly, 3rd Sat.	Milwaukee, WI (BE)
(September through April)	
Monthly, 3rd Sat.	Loves Park, IL
Monthly, 3rd Sat.	Cottage Grove, MN
Monthly, 4th Sat.	Bloomington, MN
Monthly, Last Sat.	Milwaukee, WI (MRAC)
(except Mar., Jun., Aug., & Dec.)	
Monthly, Last Sat.	Tomahawk, WI
(January thru October only)	

#### GENERAL RULES FOR MOST EX-

**AMINATIONS** Be sure to check with sponsors before going to an examination session. There may be changes and/or errors in the dates or information given. Some examinations require filing an FCC or NCVEC Form 605 and advance registration at least 30 days before the exam date. Some VE teams permit walk-ins. Check with the sponsor.

Many hamfests and swapfests offer examinations. A hamfest entrance fee should not be charged if you come only to attend the examination. To register in advance, you must get a copy of the current FCC Form 605, and fill it out completely and correctly. Got your form from the FCC as instructed below, or from the American Radio Relay League, 225 Main Street, Newington, CT 06111. Please send an SASE if you request a form from the League. FCC Field Offices seldom stock forms. You can also get a form from

<http://www.fcc.gov/formpage.html>  
or  
<ftp://ftp.fcc.gov/pub/Forms/Form605>.

A form by FAX is available at (202) 418-0177 (request Form 000605). The FCC Forms Distribution Center will accept orders at (800) 418-3676. Form 605 has a main form, plus a Schedule D with two parts (for Vanity and Physician's Certifications). Forms can also be obtained from the sponsoring group.

See QST, WIAW bulletins, or The ARRL Letter regarding any annual exam fee changes. ARRL/VEC no longer gives a free code test or Element 2. Test fees: The ARRL/VEC has set its 2003 test fee at \$12.00. FCC requires applicants to show their original amateur license or CSCE to the VE team. You must also have a good copy of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 605 and most VE teams need a copy for their records. One good CSCE copy is sufficient. You are also be required to have a photo ID, or two other forms of ID. Contact the VE team for details.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Proof must be either in the form of a pre-3/21/87 license document or a "Letter of Verification of Technician License Held Prior to 1987" as requested in writing from the FCC, 1270 Fairfield Road, Gettysburg, PA 17325-7245. For those with internet access, a listing of exam sessions is available from:

<http://www.arrl.org/arrlvec/examsearch.phtml>

By checking this page, you can find registered VE sessions anywhere in the US and some overseas. You can search by country, state or zip code. The listing is not specific to any particular VEC. It is a master database. Thanks to Bart Jahnke, W9JJ, ARRL/VEC.

Adams, WI

Adams County Library, 101 S. Main St., Adams, WI. Enter from the Center St. entrance.

Walk-ins are welcome. For information contact: Ed Wagner at Email: [aab9fn@arrl.net](mailto:aab9fn@arrl.net) or call 608-584-4858. All ARRL rules, regulations and conditions apply to testing.

Appleton, WI

Fox Cities ARC (ARRL/VEC) All regular test sessions are held at the American Red Cross Building in Appleton. Testing starting at 8 a.m. No walk-ins after 9 a.m. For information, contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (920) 730-0967. Email: [w9mdp@arrl.net](mailto:w9mdp@arrl.net).

Eau Claire, WI

Eau Claire Amateur Radio Club. Eau Claire Hamfest. Held at Eau Claire Exposition Center, Lorch Avenue, Eau Claire. Walkins welcome. Examination session coordinator: Steve Bluem, KA9OMY, [ka9omy@arrl.net](mailto:ka9omy@arrl.net). Telephone: 715-839-6509. [www.ecarc.org](http://www.ecarc.org). [w9eau@ecarc.org](mailto:w9eau@ecarc.org).

Fond du Lac, WI

Fond du Lac ARC (ARRL/VEC). Community United Methodist Church, 701 Minnesota Ave., North Fond du Lac. 9:00 a.m. Walk-ins allowed. Contact: Douglas J. Schultz, 920-922-3088, [schultz74@charter.net](mailto:schultz74@charter.net).

Fort Atkinson, WI

Tri-County Amateur Radio Club Second Thursday monthly except June to August, 7 p.m. Dwight Foster Public Library in Fort Atkinson. Contact: Glenn Eisenbrandt, WA9VYL, 920-563-6502, or John Satterlee, WA9SAB, 920-563-6381.

Hudson, WI

St. Croix Valley AR Testing Col. St. Croix County Emergency, Government Center by jail, Carmichal Rd. lower level, Hudson, WI 54016. Call for time and walk-in info, Contact: Gregory Miller (715)386-9857.

Jefferson, WI (ARRL/VEC)

Tests at 9 a.m. American Legion Post 164, located at 321 N. Main St., Jefferson, WI. Parking in back at the True Value Hardware. Enter Main Street off hwy 18 at the Stop Light and turn North. Or from I-94 take hwy 26 into Jefferson and look for the Flag in front and a few blocks before Hwy 18. Bring picture ID and copies and originals of licenses and CSCE's. If you enter from the rear you can go upstairs to the test if the Bar is open. Test fee \$10 to ARRL/VEC. Please note that the Tri-County Amateur Radio Club March 17 Hamfest will be located at the Jefferson County Fairgrounds. Talkin on 145.49 Repeater. Information: [www.cmdline.com/tcarc/](http://www.cmdline.com/tcarc/).

Madison, WI

First Saturday monthly: 8 a.m. to 10 a.m. Space Place, 1605 South Park Street, Madison. Please bring a picture ID, your original license, a copy of your license, and the original and a

copy of any relevant CSCEs, and a check for \$10.00 made out to the ARRL/VEC. No appointments are necessary to take exams. Exams start promptly at 8 a.m. Questions may be directed to Tim Czerwonka, WO9U, at 608-239-3696 (home phone) or sent to [wo9u@arrl.net](mailto:wo9u@arrl.net).

Medford, WI(ARRL/VEC)

Sponsored by the Taylor County Area Amateur Radio Club (ARRL/VEC affiliated). Tuesday, November 26th. Testing for all classes, Technician through Extra. Registration starts at 7:30 PM, testing starts at 8:00 PM. Location: the conference room of the Medford Public Library, 400 N. Main St., Medford, WI. From the intersection of State Hwys. 13 and 64, proceed west on Hwy. 64 to Main St. Turn north on Main St. and take Main St. to the library. Talk-in on the 147.15(+600 kHz, 114.8 Hz PL) repeater. Walk-ins welcome, however, if you know you'll be attending, it would be appreciated if you call ahead. Contact: Tom Hrdina, N9GEN, 2373 Willow Ave., Medford, WI 54451, phone (715) 748-4054 or e-mail to Mike, N9GHZ, at [mds54449@yahoo.com](mailto:mds54449@yahoo.com).

Menominee, WI

Marinette-Menominee Amateur Radio Club. Location: The cafeteria of Bay Area Med Center, US-41 in Menominee. Building located next to KFC just off the Interstate Bridge. All classes given. Advance notice preferred, but not required. Test fee is \$10 with two pieces of identification required. Contact Jeff Rymer, N9PQU at [jrymer@ez-net.com](mailto:jrymer@ez-net.com) or Ed Engleman, KG8CX, at [dxer@cybrzn.com](mailto:dxer@cybrzn.com). We will monitor the 147.000 (107.2 pl) repeater in event further directions or info is needed.

Menomonie, WI

ARRL/VEC. Location: NEWUW-Stout Communications, Millennium Hall, Broadway & 10th Ave., Menomonie, WI. Contact: James P. Ley, 715-235-3998.

Milwaukee, WI

Badger Examiners (W5YI VEC) September thru April, every third Saturday morning, 9:30 a.m. to noon. Badger Examiners group tests at AES (Amateur Electronic Supply) at 60th and Good Hope, Milwaukee (use the entrance numbered 5730). Exams are given at the old Sterman Printing shop, just 300 feet west of the AES store. Novice to Extra are offered, and all test materials are provided. Fee is \$10.00, and bring your original license, or CSCE if needed. Also available are Commercial license exams GROL (General Radiotelephone license), GMDSS, Telegraph, Etc. Fee is \$35.00. For more information call Gary Sharbuno, WI9M at (414) 355-0237.

Milwaukee, WI

Milwaukee Radio Amateurs' Club (MRAC VEC) Last Saturday, except in March, June, August, and December. In addition, we test at the West Allis RAC Swapfest in January

# BADGER STATE SMOKE SIGNALS

## WEB EDITION — EXTRA PAGES

(Continued from page 13)

and at Superfest in April. 9:30 a.m. to noon at Amateur Electronic Supply (AES), 5710 W. Good Hope Road (the door you enter is actually numbered 5730), Milwaukee. For additional information, call (262) 797-MRAC. Bring along your original license, CSCE (if any), and one (1) good quality photocopy of each, plus two forms of identification, such a driver's license, etc. Also required is \$8.00 for the exam fee. Walkins are welcome. To register in advance, use a post card. Print the grade of license you are applying for, your name, address, and telephone number, and send the card to MRAC/VEC, Milwaukee Radio Amateurs Club, P.O. Box 070695, Milwaukee, WI 53207. Contact: John G. Kraak, 262-797-6722.

Onalaska, WI  
Riverland ARC (ARRL/VEC). Onalaska Community Center, 515 Quincy St., Onalaska. Contact: Roger Reader, KA9BKK, 608-783-0723, readers@centurytel.net.

Oshkosh, WI (Omro)  
Oshkosh VE Team Amateur Radio exams monthly on the first Saturday. Registration begins at 8:30 a.m. and exams will be given from 9 a.m. until noon. Omro Community Center, 130 W. Larrabee, Omro, WI. Walkins welcomed. Bring a good quality photocopy of your original license and any other necessary documents such as a CSCE, etc. The first session will be through W5YI/VEC, and then sessions will alternate between ARRL/VEC and W5YI/VEC. The exam fee is \$6.65. For more information, please call Dick Lemme, K9FA, at (920) 235-0987, e-mail: lemme@vbe.com, or write Dick at 826 Jefferson Street, Oshkosh, WI 54901.

Racine, WI  
ARRL VEC Monthly - first Saturday, except January, July, and August. Monthly exams are given 9 to 11 a.m. at the Faith United Methodist Church, 1013 Harmony Drive, Racine. Walk-ins are permitted. Talk in on 147.87/.27. Inquiries and registrations should be directed to Robert N. Jensen, W0WLN, 5616 Cambridge lane #6, Racine, WI. Telephone (262) 886-8551. w0wln@juno.com.

VE testing dates in Sheboygan County, Wisconsin, for 2003 will be according to the following schedule:

Sheboygan, WI  
Saturdays 8:30 AM, 10, 13 September  
Tuesdays 6:30 PM, 18 March, 15 July. 18 November

Sheboygan County ARC (ARRL/VEC). Exams are held in the Red Cross Building, 2032 Erie Avenue, Sheboygan, WI. The test areas are handicap accessible with signage posted to direct candidates to the proper area of the building. Walk-ins are accepted, however notification ahead of time of your intention to appear would be appreciated.

Contact: Art Pahr K9XJ 920-

876-2370  
N 8 0 2 9 Willow Road  
k9xj@arrl.net  
Plymouth, WI 53073-2929

Shell Lake, WI  
NORWESCO ARES/RACES (ARRL/VEC). Washburn County Law Enforcement Center, lower level meeting room, 421 Hwy 63, Shell Lake. Walk-ins allowed. This is for all classes of license. Persons wishing to upgrade an existing license should bring a photocopy of it to submit. Also need a photo ID to prove who you are. The fee is \$10.00. Contact: Richard J. Eckenrode, 715-466-4109. Email: cen34109@centurytel.net. Web Site: fp1.centurytel.net/norwesco/.

Tomahawk, WI  
Tomahawk ARRL VE Team (ARRL/VEC). Last Saturday of every month, January thru October. Registration at 8:30 a.m. and testing starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Terry Collins, KB9AUP, W6564 Highway 8, Tomahawk, WI 54487. Telephone (715) 453-4633, dcollins@newnorth.net.

St. Paul, MN  
Saint Paul Radio Club (SPRC) First Saturday of the month, 8:30 a.m. Test Site: St. Paul Technical College, 235 Marshall Ave., St Paul, MN. Ed VanCleave, W0VC, (612) 636-0108. www.qsl.net/sprc/index.html.

Houghton, MI  
George R. Thurner, W8FWG, Team Liaison to ARRL for CCRAA/HARC Clubs, E-Mail: gthur@up.net.

Rockford, IL  
Northern Illinois Volunteer Examiners (W5YI VEC) Third Saturday of every month. 9:00 a.m. to noon. No new applicants after 11:00 a.m. Walkins welcome. Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Rusty Cordell, WB9QYV, 1823 Hulin St., Rockford, IL 61102-2619. (815) 968-0080. e-mail: WB9QYV@aol.com.

Dubuque, IA  
Dubuque Hamfest Carl Clark, N0KAX, 2145 Delicia Drive, Dubuque, IA 52001. (319) 557-9149.

### YTARC April Meeting Minutes

The April meeting was called to order at 7:15 p.m. by club president Steve Schulze, N9UDO. The meeting was held in the EOC Meeting Room at the Sauk Co. Court House. March minutes were discussed. It was noted that the email address for Cliff Johnson, KC9CMC was incorrect. Bill, KC9CVD stated he would email the secretary the correct address. Minutes then approved as published via e-mail, motion by Tom, N9PQJ seconded by Duane, N9DG to accept. Treasurer's report read by club treasurer Bill, N9KXX, and accepted by members. Club account balance stands at \$2858.61, with a few bills that require payment.

Old Business Packet Project: Still in the works. Members are in the process of getting the equipment together. Bill, N9KXX will be pricing equipment and purchasing what is needed.

Ham Classes: Waiting to hear from Cliff, KC9CMC on status of setting up classes. There are several young members in CAP that are interested in participating. Volunteers are still needed to help with the classes.

Communications Trailer: The paint job on the trailer has been completed. Next is installation of the wiring and outlets.

Wisconsin QSO Party: Tom, N9PQJ participated, working 40 & 80 meters, making around 80 contacts. Steve, N9UDO participated, working 2 m FM and 70 cm FM.

Fox Hunt: A fox hunt is planned for the next monthly meeting. Jim Paul, N9LKY will be the fox master. The fox hunt will begin at 6 p.m. on May 7, 2003. Those wishing to participate are to meet on the steps at the entrance to the Sheriff's Dept. where instructions will be provided. (Same entrance used for club meetings.)

New Business Insurance Policy: The club maintains an insurance policy for liability. The cost this year is \$225.00, this is up from last year, as a result of 9/11. The policy covers when the club is involved in events, ie.Field Day, Swap Fest, it is a requirement of the Fair Association for our use of the fair ground

building.

Weather Monitors: Weather monitors were handed out to those who had ordered them. The club sold the monitors as a fundraiser. The club received \$10.00 for each monitor ordered. The profits may be used towards the ARBOO node, or other projects the club becomes involved in.

Code Quick Course: Tom, N9PQJ shared an email he received from Don Michalski, W9IXG concerning a Code Quick Course being offered by Darryl Lonowski, AB9BB. A minimum of 10 students is required for the class. For more information, contact: Darryl Lonowski, AB9BB, ob-darrlyldl@msn.com. Information and full payment for the class is needed by April 10, 2003. The class to get you started is on Saturday, April 19, at Space Place in Madison. An opportunity to purchase Code Quick products at 10% off the "retail" price is available. More information on the Code Quick products can be found at: www.ca2k.com.

Swap Fest Door Prizes: Discussion on door prizes for this years Circus City Swap Fest. Some suggestions were a weather radio or an HT.

Member At Large: Dave Spearing, KB9CSW was offered the position of Member at Large. He cordially accepted.

Zilch: Tom, N9PQJ reported on last month's Zilch. 22 people attended and had a good time.

Door Prize: The gift certificate Pete, WD9JIB received from the Hiway House as a thank you to the club for using their facility for the club Christmas party was given as a door prize at this meeting. Tom, N9PQJ was the lucky recipient.

Motion to adjourn by Wayne, N9UDX, seconded by Pete, WD9JIB. Meeting adjourned at 8:00 p.m.

NEXT CLUB MEETING: May 7, 2003 AT THE SAUK CO. EOC MEETING ROOM IN THE BASEMENT OF THE SAUK CO. COURT HOUSE, 510 BROADWAY, BARABOO -USE THE WEST (BROADWAY STREET) ENTRANCE.

(Continued on page 15)



(Continued from page 14)  
Respectfully submitted, Lynn Loomis, KB9YOD YTARC Secretary

Yellow Thunder Amateur Radio Club  
Home Page <<http://www.qsl.net/ytarc/>>

Members and Friends attending:

Tom Harrison, N9PQJ	Reedsburg
Duane Grotophorst, N9DG	North Freedom
Joe Mayenschein, WB9SBD	La Valle
Peter Sweeney, WD9JIB	Reedsburg
Jason Humboldt, KC9BWT	Lodi
Wayne Burgess, N9UDX	Lodi
Steve Schulze, N9UDO	Baraboo
Lynn Loomis, KB9YOD	Reedsburg
Bill Klinkner, N9KXX	Sauk City
Dave Spearing, KB9CSW	Portage
Bill Stehling, KC9CVD	Sauk City
Margaret Baker, KB9VGM	Plain

# SWAPFEST '03

## South Milwaukee Amateur Radio Club, Inc.

Saturday, July 12, 2003 -- 6:00 A.M.

American Legion Post 434  
9327 South Shepard Avenue, Oak Creek, WI  
Tickets \$5.00

Food and Beverages Available starting at 6 AM

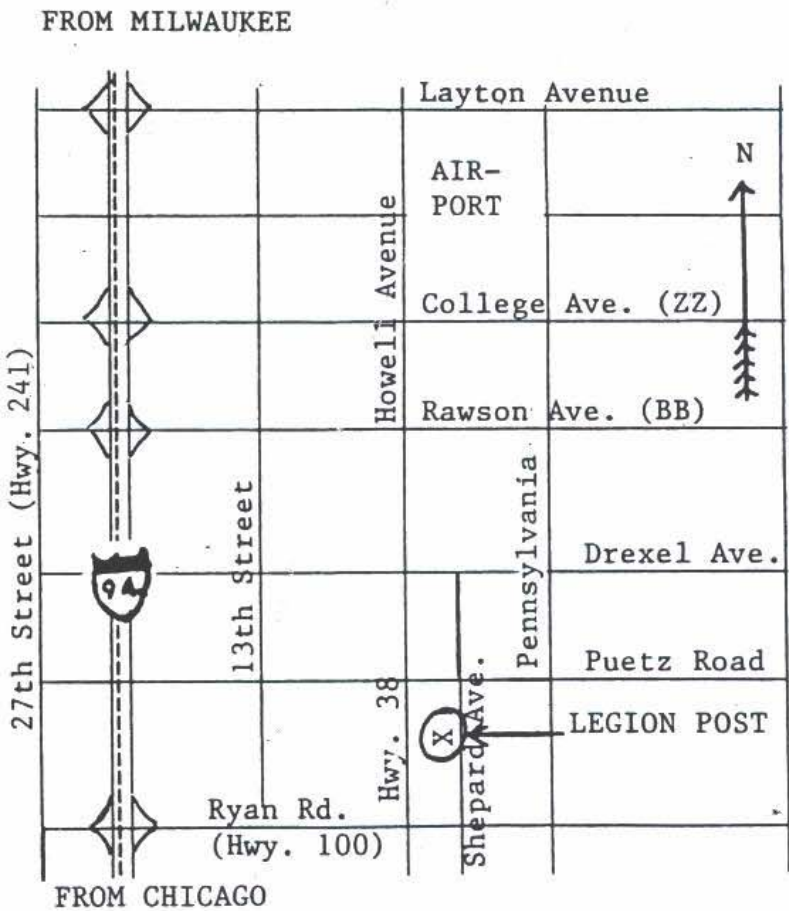
**Talk-In Frequency =  
146.52 (WA9TXE)**

*For more information:*

Phone = (414) 762-3235  
Email = [ryatex@aol.com](mailto:ryatex@aol.com)

1st Prize.....\$100  
2nd Prize.....\$75  
3rd Prize.....\$50  
4th Prize.....\$25

Plus hourly door prizes!



\*\*\*\* CLUB AUCTIONS \*\*\*\*

1<sup>st</sup> Wednesday in March  
1<sup>st</sup> Wednesday in October

6:00 PM Upper Legion Building  
Mark your calendars!!!